

# COBRA SECURITY SYSTEMS LTD



BURGLAR ALARMS • VEHICLE ALARMS • DOOR ENTRY SYSTEMS  
DOOR & WINDOW LOCKS • INTERCOMS • CCTV • SAFES  
FIRE EXTINGUISHERS, ALARMS AND BLANKETS • INSTALLED OR D.I.Y.

155 STATION ROAD, CHINGFORD, LONDON E4 6AG

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**COMMERCIAL CCTV SYSTEMS**  
**SUPPLIED AND FITTED from £525.00 + Vat**  
**HIGH RESOLUTION 800TVL**



**DIGITAL RECORDER & MONITOR**  
**WBOX FOUR channel DVR** with 1TB hard drive  
Multiplex recording. Has VGA + BNC + HDMI output  
Remote Viewing to I Phone or PC , USB back up.  
**5 YEAR warranty**

One 18.5" Flat screen **LED Monitor** to be supplied  
**3 Year Warranty**

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**WBOX technologies Analogue Cameras**  
(Using SHOTGUN cable if CATT 5 required add £20.00 each camera)  
**3 YEAR warranty**

**FIXED LENS**  
(Available in **White** or **Grey** finish)

WBXCL804RP W/G **DOME** Camera with **2.8mm** lens and 15M IR

**Or alternatively**

WBXCL80RP W/G **BULLET** Camera with **2.8 mm** lens and 15M IR

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**VARI FOCAL LENS**  
(Available in **White** or **Grey** finish)

WBXCCD806RPW/G **DOME** Camera with **2.8-12mm** lens and 25M IR

**Or alternatively**

WBXCL806RP W/G **BULLET** Camera with **2.8-12MM** lens and 25M IR



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## WBXRA040E DIGITAL VIDEO RECORDER

4 Channel 960H H.264 DVR without HDD



The WBXRA040E is a 4 channel Digital Video Recorder which can connect analogue cameras and provide powerful surveillance. This new generation DVR is widely applied in the areas of public security, education, communication, transportation, military, finance/banking and various other installation applications.

- Max 0.375 MB Per Second @ 960H Resolution
- Real Time Recording
- Normal and Event Recording
- HDD Not Included
- Maximum Storage Capacity: 6 TB
- Supports Various Camera Resolutions
- Remote Live View By Mobile App
- Warranty - 60 Months

LENGTH: 200mm  
WIDTH: 200mm  
HEIGHT: 45mm  
WEIGHT: 0.8Kg



# Specifications

| Model               |                                      | WBXRA040E                                                                       | WBXRA080E                                                     | WBXRA160E                                 |
|---------------------|--------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------|
| Video/Audio input   | Video compression                    | H.264                                                                           |                                                               |                                           |
|                     | Analog video input                   | 4-ch                                                                            | 8-ch                                                          | 16-ch                                     |
|                     |                                      | BNC interface (1.0Vp-p, 75 Ω), PAL / NTSC self-adaptive                         |                                                               |                                           |
|                     | Audio compression                    | G.711u                                                                          |                                                               |                                           |
|                     | Audio input / Two-way audio in       | 1-ch, RCA (2.0 Vp-p, 1 KΩ)                                                      |                                                               |                                           |
| Video/Audio output  | HDMI / VGA output                    | 1920 × 1080 / 60 Hz,1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |                                                               |                                           |
|                     | Encoding resolution                  | Main stream: WD1 / 4CIF / VGA / CIF                                             |                                                               |                                           |
|                     |                                      | Sub-stream: 2CIF (non-real-time) / CIF                                          | Sub-stream: 4CIF (non-real-time) / 2CIF (non-real-time) / CIF |                                           |
|                     | Frame rate                           | 1/16 fps ~ Real time frame rate                                                 |                                                               |                                           |
|                     | Video bitrate                        | 32 Kbps ~ 4 Mbps                                                                |                                                               |                                           |
|                     | Audio output                         | 1-ch, RCA (Linear, 1KΩ)                                                         |                                                               |                                           |
|                     | Audio bitrate                        | 64 Kbps                                                                         |                                                               |                                           |
|                     | Dual-stream                          | Supported                                                                       |                                                               |                                           |
|                     | Stream type                          | Video, Video & Audio                                                            |                                                               |                                           |
|                     | Synchronous playback                 | 4-ch                                                                            | 8-ch                                                          | 16-ch                                     |
| Playback resolution | VGA / WD1 / 4CIF / CIF / QVGA / QCIF |                                                                                 |                                                               |                                           |
| Network management  | Remote connections                   | 32                                                                              | 128                                                           | 128                                       |
|                     | Network protocols                    | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SNMP, NFS, iSCSI, UPnP™, HTTPS       |                                                               |                                           |
| Hard disk           | SATA                                 | 1 SATA interface                                                                |                                                               |                                           |
|                     | Capacity                             | Up to 6 TB capacity for each disk                                               |                                                               |                                           |
| External interface  | Network interface                    | 1; 10M / 100M self-adaptive Ethernet interface                                  |                                                               |                                           |
|                     | USB port                             | 2 × USB2.0                                                                      |                                                               |                                           |
| General             | Power supply                         | 12V dc                                                                          |                                                               |                                           |
|                     | Consumption (without hard disks)     | ≤ 8W                                                                            | ≤ 12W                                                         | ≤ 20W                                     |
|                     | Working temperature                  | -10 °C ~+55 °C (14 °F ~ 131 °F)                                                 |                                                               |                                           |
|                     | Working humidity                     | 10% ~ 90%                                                                       |                                                               |                                           |
|                     | Dimensions (W × D × H)               | 200 × 200 × 45mm (7.9 × 7.9 × 1.8 inch)                                         |                                                               | 285 × 210 × 45 mm (11.2 × 8.3 × 1.8 inch) |
|                     | Weight (without hard disks)          | ≤ 0.8 kg / 1.8 lb                                                               |                                                               | ≤ 1.2 kg / 2.6 lb                         |

## WBXML1853

### 18.5" LED HD PRO-GRADE COLOUR MONITOR

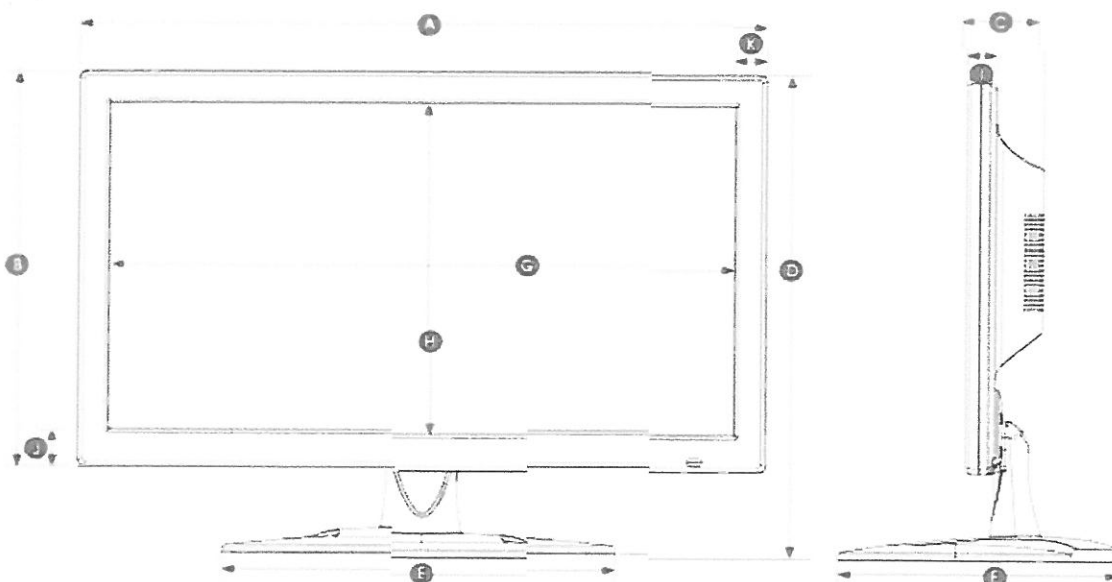


This professional grade widescreen LED 18.5" colour monitor offers BNC, VGA & HDMI inputs. With an additional BNC looping output its versatility will allow it to work for any application. Boasting 16.7 million colours & HD 720P Resolution this monitor will make your video come to life.

- 18.5" Diagonal Viewing Size
- Scale to 4:3 with the Touch of a Button
- HD 720P Resolution
- Input, BNC, Audio, VGA, HDMI & S-Video
- Output, BNC & Audio
- Includes Audio and VGA Cables
- 2 Built-in Stereo Speakers
- 100mm x 100mm VESA Mounting Pattern
- Warranty - 30 Months

WIDTH: 4521mm  
HEIGHT: 2803mm  
DEPTH: 50.9mm  
WEIGHT: 2.1Kg





| Letter | Model                     | WBXML1853 |       | WBXML2153 |       | WBXML2383 |       |
|--------|---------------------------|-----------|-------|-----------|-------|-----------|-------|
|        |                           | mm        | inch  | mm        | inch  | mm        | inch  |
| A      | Width of monitor body     | 452.10    | 17.80 | 516.60    | 20.34 | 577.00    | 22.72 |
| B      | Height of monitor body    | 280.30    | 11.04 | 316.70    | 12.47 | 347.70    | 13.69 |
| C      | Depth of monitor body     | 50.90     | 2.00  | 51.20     | 2.02  | 51.20     | 2.02  |
| D      | Height of monitor on base | 341.00    | 13.42 | 376.10    | 14.81 | 407.10    | 16.03 |
| E      | Width of base             | 260.00    | 10.23 | 260.00    | 10.23 | 260.00    | 10.23 |
| F      | Depth of base             | 185.00    | 7.28  | 185.00    | 7.28  | 185.00    | 7.28  |
| G      | Width of viewable area    | 422.50    | 16.63 | 477.80    | 18.81 | 531.40    | 20.92 |
| H      | Height of viewable area   | 243.10    | 9.57  | 269.30    | 10.60 | 298.90    | 11.77 |
| I      | Thickness of monitor      | 19.50     | 0.77  | 19.50     | 0.77  | 23.80     | 0.94  |
| J      | Bottom bezel width        | 20.60     | 0.81  | 25.40     | 1.00  | 38.50     | 1.52  |
| K      | Side bezel width          | 14.80     | 0.58  | 19.40     | 0.76  | 26.30     | 1.04  |

## WBXCD804RPW

800TVL, 960H IR VANDAL DOME CAMERA



The WBXCD804RPW is a 800 TVL 960H Vandal Dome camera constructed with a 2.8mm lens and push fit structure for simple adjustment and ease of installation. Super Flux IR LEDs provide 10-15M IR distance and True/Day Night with ICR allows for clear night images.

- |                                                                                                                                                                                                                        |                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• 2.8mm Lens</li><li>• 24 IR LEDs</li><li>• IR Distance (15m/49ft)</li><li>• Auto DWDR</li><li>• True Day/Night with ICR</li><li>• 2D Noise Reduction</li><li>• 12 Vdc</li></ul> | <ul style="list-style-type: none"><li>• Auto White Balance</li><li>• Auto Gain Control</li><li>• IP 66</li><li>• Warranty - 36 Months</li></ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|





# Specifications

| Features              | WBXCD804RPW                                | WBXCD806RPW   |
|-----------------------|--------------------------------------------|---------------|
| Camera                |                                            |               |
| Image Sensor          | 1/3" CMOS                                  |               |
| Signal System         | PAL/NTSC                                   |               |
| Effective Pixels      | PAL:976(H)×582(V) NTSC:976(H)×494(V)       |               |
| Horizontal Resolution | 800TVL (colour)                            |               |
| Min Illumination      | 0.01Lux(F1.2, AGC ON; IR OFF)0Lux (IR ON)  |               |
| Shutter Speed         | PAL:1/50~1/10000 sec NTSC:1/60~1/10000 sec |               |
| Lens                  | 2.8mm                                      | 2.8-12mm      |
| Day/Night             | Auto, ICR                                  |               |
| WDR                   | Auto, dWDR                                 |               |
| Synchronization       | Internal                                   |               |
| CVBS                  | BNC interface, Video1.0Vp-p@75 Ohm         |               |
| S/N Ratio             | ≥48dB                                      |               |
| LEDs                  | 24pcs                                      | 36pcs         |
| IR Range              | 15m                                        | 20-25m        |
| Function              |                                            |               |
| Scene                 | Indoor/Outdoor                             |               |
| AGC                   | Auto                                       |               |
| White Balance         | Auto                                       |               |
| D/N Mode              | Auto                                       |               |
| Functions             | 2dNR, Auto dWDR                            |               |
| General               |                                            |               |
| Operating Temperature | -10℃~+50℃                                  |               |
| Humidity              | RH90% Max(non-condensing)                  |               |
| Power Supply          | 12Vdc ±10%                                 |               |
| Power Consumption     | 3.5W (max)                                 | 4.8W (max)    |
| Dimension (W x D x H) | 94x84x94mm                                 | 119x100x119mm |
| Weight                | 350g                                       | 650g          |

## WBXCL806RPG

### 800TVL, 960H IR OUTDOOR BULLET CAMERA



The WBXCL806RPG is a 800 TVL 960H IR bullet camera constructed with a fixed 2.8-12mm lens and 3 Axis bracket for simple adjustment and ease of installation. Super Flux IR LEDs provide 25M IR distance and True/Day Night with ICR allows for clear night images.

- |                                                                                                                                                                                                                      |                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• 2.8-12mm Lens</li><li>• 24 IR LEDs</li><li>• IR Distance (25m)</li><li>• Auto DWDR</li><li>• True Day/Night with ICR</li><li>• 2D Noise Reduction</li><li>• 12 Vdc</li></ul> | <ul style="list-style-type: none"><li>• Auto White Balance</li><li>• Auto Gain Control</li><li>• IP 66</li><li>• Warranty - 36 Months</li></ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|



# Specifications

| Features              | WBXCL804RPG                                | WBXCL806RPG   | WBXCD804RPW | WBXCD806RPW   |
|-----------------------|--------------------------------------------|---------------|-------------|---------------|
| Camera                |                                            |               |             |               |
| Image Sensor          | 1/3" CMOS                                  |               |             |               |
| Signal System         | PAL/NTSC                                   |               |             |               |
| Effective Pixels      | PAL:976(H)×582(V) NTSC:976(H)×494(V)       |               |             |               |
| Horizontal Resolution | 800TVL (colour) / 850TVL (WB)              |               |             |               |
| Min Illumination      | 0.01Lux(F1.2, AGC ON, IR OFF) 0Lux (IR ON) |               |             |               |
| Shutter Speed         | PAL:1/50~1/10000 sec NTSC:1/60~1/10000 sec |               |             |               |
| Lens                  | 2.8mm                                      | 2.8-12mm      | 2.8mm       | 2.8-12mm      |
| Day/Night             | Auto, ICR                                  |               |             |               |
| WDR                   | Auto, dWDR                                 |               |             |               |
| Synchronization       | Internal                                   |               |             |               |
| CVBS                  | BNC interface, Video 1.0Vp-p@75 Ohm        |               |             |               |
| S/N Ratio             | ≥48dB                                      |               |             |               |
| LEDs                  | 24pcs                                      | 36pcs         | 24pcs       | 36pcs         |
| IR Range              | 15m                                        | 20-25m        | 15m         | 20-25m        |
| Function              |                                            |               |             |               |
| Scene                 | Indoor/Outdoor                             |               |             |               |
| AGC                   | Auto                                       |               |             |               |
| White Balance         | Auto                                       |               |             |               |
| D/N Mode              | Auto                                       |               |             |               |
| Functions             | 2dNR, Auto dWDR                            |               |             |               |
| General               |                                            |               |             |               |
| Operating Temperature | -10℃~+50℃                                  |               |             |               |
| Humidity              | RH90% Max(non-condensing)                  |               |             |               |
| Power Supply          | 12Vdc ±10%                                 |               |             |               |
| Power Consumption     | 3.5W (max)                                 | 4.8W (max)    | 3.5W (max)  | 4.8W (max)    |
| Dimension (W x D x H) | 67.6×176×63mm                              | 97.5×228×84mm | 94×84×94mm  | 119×100×119mm |
| Weight                | 350g                                       | 550g          | 350         | 650g          |

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**COMMERCIAL HIGH DEFINITION CCTV SYSTEMS**  
**SUPPLIED AND FITTED from £595.00 + Vat**  
**FULL HD 2 Megapixel 1080P resolution**



## **DIGITAL RECORDER & MONITOR**

**GT504TVI** Four channel DVR with **1TB** hard drive  
Multiplex recording. has VGA + BNC + HDMI output  
Remote Viewing to I Phone or PC, USB back up.  
**24 Month Warranty**

One 19" Flat screen **LED Monitor** to be supplied  
**24 Month Warranty**

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**GTEC TVI FULL HD Cameras**  
(Using SHOTGUN cable if CATT 5 required add £30.00 each camera)  
**24 Month Warranty**

**FIXED LENS**  
(Available in **White** or **Black** finish)

**GT612TVI DOME Camera 2 Megapixel** with **3.6mm FIXED** lens and 20M IR

**Or alternatively**

**GT777TVIPRO BULLET Camera** with **3.6 mm** lens and 20M IR (White only)

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**VARI FOCAL LENS**  
(Available in **White** or **Black** finish)

**GT896TVI DOME Camera** with **2.8-12mm** lens and 30M IR

**Or alternatively**

**GTNV40TVI BULLET Camera** with **2.8-12mm** lens and 30M IR



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Professional CCTV Solutions  
VT504TVI  
**Full HD TVI 1080p Standalone DVR**

**XX VIDEOTEKNIKA**



## Overview

VIDEOTEKNIKA 500 Series Full HD TVI 1080p DVR is robust and reliable range of Digital Video Recorders with Full HD 1080p local display capability and Real time recording playback, With 1ch Audio In & 1 Channel audio output. The VT504TVI ensures unrivaled video recording quality in multiple applications on an open platform in live and also in playback. The VT504TVI has the ability to accept 1 Hard Disk allowing recording capacity of up to 6TB. Backup facility is available via the network, USB

## Supported Cameras

The VT504TVI supports all Videoteknika Professional Cameras and is fully compatible with its own software. Within the Videoteknika range various video encoders and video decoders are available to further more expand the flexibility for the system integrator and ensure total system synchronization. Each channel on-board the DVR allows for dual streaming with the mainstream supporting up to 1080p of recording resolution. Various alarm inputs and outputs are also available on the DVR.

## Storage Features

The VT504TVI supports up to 6TB (1 HDD's x 6TB each) which allows for individual channel recording allocation ensuring the right data capacity is assigned through the relative camera depending on its resolution. Instant playback is also possible via the Videoteknika reverse instant playback capability which is unique to Videoteknika DVRs.

## Main Features

- 4 channels FULL HD TVI 1080p DVR
- H.264+ / H.264 Dual-stream video compression
- Support: HD-TVI, IPC, AHD and analog cameras
- Recording @ 1080p resolution
- Synchronous playback at 1080p resolution
- Two-way audio
- Simultaneous HDMI, VGA & BNC outputs
- Upto 6TB (1 SATA HDDs x 6TB each)
- RS-485 for PTZ control
- Playback at up to 256X
- Ethernet support for remote access
- HDMI & VGA (Full HD 1080p) output
- Local Data Export via Network / USB
- 1ch Audio In & 1ch Audio Out

## Professional CCTV Solutions

### VT504TVI

## Full HD 1080p Standalone DVR



### Specifications

|                      |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| DVR Model            | VT504TVI                                                                |
| <b>Features</b>      |                                                                         |
| Video Compression    | H.264+/H.264                                                            |
| Video Input          | 4 ch, BNC                                                               |
| Video Output         | 1 x VGA, 1 x HDMI, 1 x BNC                                              |
| IP Video Input       | 1 ch Up to 2MP                                                          |
| Audio Input / Output | 1 ch / 1 ch                                                             |
| Resolution           | Full HD 1080p                                                           |
| Playback Resolution  | 1920 X 1080/60Hz, 1280 X 1024/60Hz,<br>1280 X 720/60Hz, 1024 X 768/60Hz |
| Encoding resolution  | 1080p/720p/VGA/WD1/4CIF                                                 |
| Frame Rate           | Main stream @ 1/16 fps (real time)<br>Sub-stream @ WD1/4CIF (12fps)     |
| CVBS output          | 1-ch, BNC (1.0 Vp-p, 75 Ω)                                              |
| Video Bitrate        | 32 Kbps ~ 6Mbps                                                         |
| Audio Bitrate        | 64 Kbps                                                                 |
| Stream Type          | Video, Video & Audio                                                    |
| SATA HDD's           | Upto 6TB (1 SATA HDD's x 6TB each)                                      |
| Synchronous Playback | 4 ch                                                                    |
| USB Ports            | 2 x USB 2.0 port                                                        |
| Backup               | USB Device / Network                                                    |

|                             |                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------|
| DVR Model                   | VT504TVI                                                                           |
| <b>Features (Continued)</b> |                                                                                    |
| Ethernet                    | 1 x RJ-45 10M / 1000M Self-Adaptive Ethernet Interface                             |
| RS-485                      | 1 x RS-485 for PTZ Control                                                         |
| Protocol                    | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP,<br>SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS |
| Remote users                | Up to 128 users maximum access                                                     |
| Remote stations             | PC, mobile phone, PDA, and/or tablet PC                                            |

### Environmental

|                       |                                 |
|-----------------------|---------------------------------|
| Operating Temperature | -10 °C ~ 55 °C (14 °F ~ 131 °F) |
| Humidity              | >90%                            |

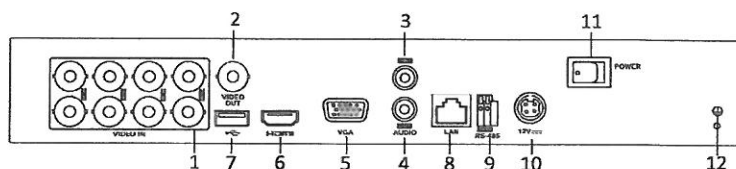
### Electrical

|                   |        |
|-------------------|--------|
| Input Voltage     | DC 12V |
| Power Consumption | ≤ 15 W |

### Physical

|            |                                       |
|------------|---------------------------------------|
| Dimensions | 1U casing = 315(W) x 242(D) x 45(H)mm |
| Weight     | 2.1 Kg (4.62 lbs)                     |

### Technical Diagram



#### Real Panel

1. Video In
2. Video Out
3. Audio In, Rca Connector
4. Audio Out, Rca Connector
5. VGA Interface
6. HDMI Interface
7. USB Port
8. Network Interfaces

#### Real Panel (Continue)

9. RS-485 Serial Interface, Keyboard Interface
10. DC 12V Power Input
11. Power Switch
12. GND

### Ordering Information

|                 |                                                                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DVR Model       | Digital Video Recorder Details                                                                                                                                                                                   |
| <b>VT504TVI</b> | 4-Ch, FULL HD 1080p Recording Quality, Up to Max. 6TB of HDD space, H.264+, Dual Streaming,<br>Simultaneous HDMI, VGA (Full HD 1080p) & CVBS outputs, Local Data Export, Network, Alarm, Audio, Various Backups. |



# GT612TVIW

TVI Turbo HD (1080p) Eyeball Camera

2.1 Megapixel Aptina Sensor  
Full HD-TVI @ 1080P (1920 x 1080)  
20m IR, 3.6mm Lens  
ICR (IR Cut Filter)  
DNR, Min Illumination @ 0.001 Lux  
12V, 300 mA



| Model                 | GT612TVIW                         |
|-----------------------|-----------------------------------|
| Image Sensor          | 2.1 Megapixel Aptina Sensor       |
| Image Resolution      | PAL: 25fps@1080P(1920×1080)       |
| Effective Pixels      | 1920(H)×1080(V) , 2.1MP           |
| TV System             | PAL/NTSC                          |
| Electronic Shutter    | 1/25s~1/50,000s , 1/30s~1/60,000s |
| Sync System           | Internal                          |
| Usable Illumination   | 0.001Lux                          |
| S/N Ratio             | ≥50dB                             |
| Scanning System       | Progressive Scan                  |
| Video Output Mode     | TVI (BNC)                         |
| Focus Length          | 3.6mm                             |
| Focus Control         | Fixed                             |
| Lens Type             | Fixed                             |
| Pixels                | 2MP                               |
| Infrared LED          | 5X24PCS                           |
| Infrared Distance     | 20M                               |
| IR Status             | Under 10 Lux by CDS               |
| IR Power On           | CDS Auto Control                  |
| Noise Reduction       | DNR                               |
| OSD Support           | No                                |
| Vandalproof Housing   | YES, Metal                        |
| Lens Angle Adjustment | YES                               |
| Dual Voltage          | NO                                |
| IR Cut Filter         | YES                               |
| Heater                | NO                                |
| Operation Temperature | -10°C ~ +50°C RH95% Max           |
| Storage Temperature   | -20°C ~ +60°C RH95% Max           |
| Power Source          | DC12V±10%, 500mA                  |
| Dimension             | 94 x 69(H)mm                      |
| Weight                | 0.40Kg                            |

# GTNV40TVI/B

TVI HD+ 1080p Bullet Camera

## MAIN FEATURES

2 Megapixel Aptina Sensor  
Full HD-TVI @ 1080P (1920 x 1080)  
40m IR, 2.8-12mm Lens  
ICR (IR Cut Filter)  
3D DNR, Min Illumination @ 0 Lux  
12V  
IP66



| Model                 | GTNV40TVI/B                         |
|-----------------------|-------------------------------------|
| Image Sensor          | 1/2.7" Aptina Sensor                |
| Resolution            | 1920*1080P                          |
| Image System          | PAL/NTSC                            |
| Minimum Illumination  | 0.lux (LED ON)                      |
| Lens                  | 2.8~12mm                            |
| IR distance           | 40m                                 |
| Video Output          | BNCx1                               |
| Frame rate            | 30fps (60Hz), 25fps (50Hz)          |
| D&N                   | Support ICR                         |
| SNR                   | >52dB (AGC off)                     |
| Electronic shutter    | 1/60s~1/67500s                      |
| Auto-gain             | Support                             |
| White Balance         | Auto                                |
| Power                 | DC12V (±10%)                        |
| Operation Environment | -20 °C ~ 55 °C 10% ~ 90% (humidity) |



# GT195FHD

19.5" 16.9 LED Panel

## GT195FHD

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Panel Type                    | 19.5" 16.9 LED Panel                       |
| Case Type                     | Plastic                                    |
| Maximum Resolution            | 1920(H) x 1080(V)                          |
| Active Display Area           | 434.88(H) x 238.68(V)mm                    |
| Pixel Pitch                   | 0.2265 (H) x 0.221 (V)mm                   |
| Bezel Thickness               | Left/Right 19.6mm, Top 22mm, Bottom 36.8mm |
| Contrast Ratio                | 3000:1                                     |
| Brightness                    | 250cd/m2                                   |
| Response Time                 | 5ms                                        |
| Viewing Angle                 | 178°/178° (H/V)                            |
| Display Colours               | 16.7M                                      |
| Video Synchronization         | Yes                                        |
| PC Compatible Frequency       | 30-60KHz(H)/56-75KHz(V)                    |
| Adjustable Colour Temperature | 9300K/6500K/5800K/User                     |
| Video Compatibility           | NTSC/PAL                                   |
| Aspect Ratio                  | 16:9                                       |
| VGA Auto Frequency correction | Yes                                        |
| Speaker                       | 2 x 2.5w                                   |
| Number of Speakers            | 2                                          |
| Sound Demodulation            | Audio, Stereo                              |
| Mute                          | Yes                                        |
| Work Humidity                 | 5% - 90%                                   |
| Work Temperature              | -10° /+50°                                 |
| Volume +/- Power On/Off       | Yes                                        |

## IN/OUT INTERFACE

|                            |                                                          |
|----------------------------|----------------------------------------------------------|
| Video Interface            | 1x BNC Composite In, 1x BNC Composite Out, 1xVGA, 1xHDMI |
| Audio Interface            | 1x PC Audio                                              |
| Power Interface            | DC in x 1                                                |
| Termination                | 75 Ohms                                                  |
| Safety & EMC Certification | CE, RoHS, FCC-DOC                                        |
| Vesa Standard Mount        | 75mm x 75mm                                              |
| Stand Type                 | Desktop                                                  |
| Colour                     | Black                                                    |
| Button Position            | Front face, bottom                                       |
| Packing Dimension          | 530 x 120 x 420mm                                        |
| NET Weight                 | 3.3 Kg                                                   |
| GROSS Weight               | 3.8 Kg                                                   |

## POWER

|                   |                        |
|-------------------|------------------------|
| Power Supply      | 12V DC, 3 Amp          |
| Voltage           | AC110V - 240V 50/60 Hz |
| Power Consumption | <25W                   |

## OSD CONTROLS

Contrast, Brightness, Colour, Sharpness, Colour Temperature



## MAIN FEATURES

1920 x 1080 Resolution  
23.6" (16:9) Led Panel  
1x BNC In/ 1x BNC Out  
1x VGA, 1x HDMI  
1x PC Audio  
16.7 million colours  
Contrast ratio 1000:1  
AC110V - 240V 50/ 60Hz  
12v DC, 3A

## OSD LANGUAGE

English, German, Italian, Spanish, French, Russian, Portuguese and Polish

## ACCESSORIES

VGA Cable, User Manual, Audio Cable, Power Adapter, Power Lead



# COBRA SECURITY SYSTEMS LTD



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**FULL HD 2.1 Megapixel 1080P resolution**

## **DIGITAL RECORDER & MONITOR**

WBXRN040P43 NVR-4POE **4 channel recorder** with 1TB hard drive.  
Multiplex recording. Has VGA + BNC + HDMI output  
Remote Viewing to I Phone or PC, USB back up.  
**5 YEAR Warranty**

One 18.5" Flat screen **LED Monitor** to be supplied  
**3 Year Warranty**

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**WBOX Technology 1080P 2.1MP IP full HD Cameras**  
(Using **CATT 5** Cable only)  
**5 YEAR Warranty**

**FIXED LENS**  
(Available in **White** only)

WBXID204RT **DOME CAMERA** 2.1 MP with **2.8mm** FIXED lens 30M IR

Or Alternatively

WBXIL209RT **BULLET CAMERA** 2.1 MP with **4mm** lens with 30M IR

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**VARI FOCAL LENS**  
(Available in **White** only)

WBXID206VRT **DOME Camera** 2.1MP with **2.8-12mm** lens and 30M IR

Or alternatively

WBXIL206RT **BULLET Camera** 2.1MP with **2.8-12MM** lens and 30M IR



## WBXRN040P4E



## NETWORK VIDEO RECORDER

4 Channel 4 PoE Ports without HDD

The WBXRN040P4E is a 4 channel Network Video Recorder constructed with 4 PoE ports. This new generation NVR is widely applied in the areas of public security, education, communication, transportation, military, finance/banking and various other installation applications.

- Linux Embedded System
- H.264/MPEG-4 Video Stream Input
- HDMI/VGA Output 1920 x 1080
- PoE Plus Supported
- Max 2 MB Per Second @ 5MP Resolution
- HDD Not Included
- Maximum Storage Capacity: 4 TB
- Remote Live View By Mobile App
- Warranty - 60 Months

LENGTH: 315mm  
WIDTH: 230mm  
HEIGHT: 45mm  
WEIGHT: 1Kg

**HDMI**™  
HIGH DEFINITION MULTIMEDIA INTERFACE



**W BOX**  
TECHNOLOGIES

# Specifications

| Model              |                                         | WBXRN040P4E                                                                                                      | WBXRN080P8E                                   | WBXRN160P8E                        |
|--------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------|
| Video/Audio input  | IP video input                          | 4-ch                                                                                                             | 8-ch                                          | 16-ch                              |
|                    | Two-way audio input                     | 1-ch, RCA (2.0 Vp-p, 1kΩ)                                                                                        |                                               |                                    |
| Network            | Incoming bandwidth                      | 40Mbps                                                                                                           | 80Mbps                                        | 80Mbps                             |
|                    | Outgoing bandwidth                      | 80Mbps                                                                                                           |                                               |                                    |
|                    | Remote connection                       | 32                                                                                                               | 128                                           | 128                                |
| Video/Audio output | Recording resolution                    | 6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF                                                          |                                               |                                    |
|                    | Frame rate                              | Main stream: 50 fps (P) / 60 fps (N)                                                                             |                                               |                                    |
|                    |                                         | Sub-stream: 50 fps (P) / 60 fps (N)                                                                              |                                               |                                    |
|                    | HDMI/VGA output                         | 1-ch, resolution<br>1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz |                                               |                                    |
|                    | Audio output                            | 1-ch, RCA (Linear, 1kΩ)                                                                                          |                                               |                                    |
| Decoding           | Live view / Playback resolution         | 5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF                                                              |                                               |                                    |
|                    | Capability                              | 4-ch@1080P                                                                                                       | 8-ch@720P, 6-ch@1080P                         | 16-ch@4CIF, 12-ch@720P, 6-ch@1080P |
| Hard disk          | SATA                                    | 1 SATA interface for 1 HDD                                                                                       | 2 SATA interfaces for 2 HDDs                  |                                    |
|                    | Capacity                                | Up to 4TB for each disk                                                                                          |                                               |                                    |
| External interface | Network interface                       | 1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface                                                      |                                               |                                    |
|                    | USB interface                           | 1 × USB 2.0 and 1 × USB 3.0                                                                                      |                                               |                                    |
|                    | Alarm in/out (Optional)                 | N/A                                                                                                              |                                               |                                    |
| PoE                | Interface                               | 4 independent 100 Mbps PoE network interfaces                                                                    | 8 independent 100 Mbps PoE network interfaces |                                    |
|                    | Max. Power                              | 50W                                                                                                              | 120W                                          |                                    |
|                    | Supported standard                      | AF and AT                                                                                                        |                                               |                                    |
| Others             | Power supply                            | 48V dc                                                                                                           | 100 - 240V ac                                 |                                    |
|                    | Consumption (without hard disk and PoE) | 10W                                                                                                              |                                               |                                    |
|                    | Working temperature                     | -10 °C ~ +55 °C (+14 °F~ + 131 °F)                                                                               |                                               |                                    |
|                    | Working humidity                        | 10 % ~ 90 %                                                                                                      |                                               |                                    |
|                    | Chassis                                 | 1U chassis                                                                                                       | 19-inch rack-mounted 1U chassis               |                                    |
|                    | Dimensions (W × D × H)                  | 315 × 230 × 45mm (12.4"×9.1"×1.8")                                                                               | 445 × 290 × 45mm (17.5" × 11.4" × 1.8")       |                                    |
|                    | Weight (without hard disk)              | 1 kg (2.2 lb)                                                                                                    |                                               |                                    |



# GT195FHD

19.5" 16.9 LED Panel

## GT195FHD

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Panel Type                    | 19.5" 16:9 LED Panel                       |
| Case Type                     | Plastic                                    |
| Maximum Resolution            | 1920(H) x 1080(V)                          |
| Active Display Area           | 434.88(H) x 238.68(V)mm                    |
| Pixel Pitch                   | 0.2265 (H) x 0.221 (V)mm                   |
| Bezel Thickness               | Left/Right 19.6mm, Top 22mm, Bottom 36.8mm |
| Contrast Ratio                | 3000:1                                     |
| Brightness                    | 250cd/m2                                   |
| Response Time                 | 5ms                                        |
| Viewing Angle                 | 178°/178° (H/V)                            |
| Display Colours               | 16.7M                                      |
| Video Synchronization         | Yes                                        |
| PC Compatible Frequency       | 30-60KHz(H)/56-75KHz(V)                    |
| Adjustable Colour Temperature | 9300K/6500K/5800K/User                     |
| Video Compatibility           | NTSC/PAL                                   |
| Aspect Ratio                  | 16:9                                       |
| VGA Auto Frequency correction | Yes                                        |
| Speaker                       | 2 x 2.5w                                   |
| Number of Speakers            | 2                                          |
| Sound Demodulation            | Audio, Stereo                              |
| Mute                          | Yes                                        |
| Work Humidity                 | 5% - 90%                                   |
| Work Temperature              | -10° /+50°                                 |
| Volume +/- Power On/Off       | Yes                                        |

## IN/OUT INTERFACE

|                            |                                                          |
|----------------------------|----------------------------------------------------------|
| Video Interface            | 1x BNC Composite In, 1x BNC Composite Out, 1xVGA, 1xHDMI |
| Audio Interface            | 1x PC Audio                                              |
| Power Interface            | DC in x 1                                                |
| Termination                | 75 Ohms                                                  |
| Safety & EMC Certification | CE, RoHS, FCC-DOC                                        |
| Vesa Standard Mount        | 75mm x 75mm                                              |
| Stand Type                 | Desktop                                                  |
| Colour                     | Black                                                    |
| Button Position            | Front face, bottom                                       |
| Packing Dimension          | 530 x 120 x 420mm                                        |
| NET Weight                 | 3.3 Kg                                                   |
| GROSS Weight               | 3.8 Kg                                                   |

## POWER

|                   |                        |
|-------------------|------------------------|
| Power Supply      | 12V DC, 3 Amp          |
| Voltage           | AC110V - 240V 50/60 Hz |
| Power Consumption | <25W                   |

## OSD CONTROLS

Contrast, Brightness, Colour, Sharpness, Colour Temperature



## MAIN FEATURES

1920 x 1080 Resolution  
23.6" (16:9) Led Panel  
1x BNC In/ 1x BNC Out  
1x VGA, 1x HDMI  
1x PC Audio  
16.7 million colours  
Contrast ratio 1000:1  
AC110V - 240V 50/ 60Hz  
12v DC, 3A

## OSD LANGUAGE

English, German, Italian, Spanish, French, Russian, Portuguese and Polish

## ACCESSORIES

VGA Cable, User Manual, Audio Cable, Power Adapter, Power Lead



## WBXIL136RT

### IP BULLET CAMERA



#### 1.3 MP Varifocal IR Outdoor Bullet Camera

The WBXIL136RT is a 1.3 MP (1280 X 960) varifocal bullet camera constructed with a 2.8 mm – 12 mm lens. This 1.3 MP Camera is IP66 rated and provides HD Image quality and is ideal for numerous indoor/outdoor applications such as commercial, home or office use as well as monitoring hallways, unattended storage areas and various other installation applications.

- 2.8 – 12 mm lens
- 42 IR LEDs
- IR up to 30M (100 ft)
- 1280 X 960 Picture Quality @ 30 FPS
- 3D DNR & DWDR
- Zone Optional BLC
- True Day Night
- Operating Temperature -30 °C – 60 °C  
(-22 °F – 140 °F)
- Max. 7.5W Power Consumption
- IP 66 Rated
- PoE/12Vdc
- Micro SD Card Slot (Card Not Included)
- Onvif Supported
- Warranty - 60 Months

LENGTH: 258.6mm  
WIDTH: 95mm  
HEIGHT: 105mm  
WEIGHT: 1200g

Onvif



# Specifications

| Model                    | WBXIL136RT                                                                                                                                            | WBXIL206RT  | WBXIL306RT                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------|
| Camera                   |                                                                                                                                                       |             |                                                              |
| Image Sensor             | 1/3" Progressive Scan CMOS                                                                                                                            |             |                                                              |
| Min. Illumination        | 0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR 0.028Lux @ (F2.0, AGC ON) ,0 Lux with IR                                                                      |             | 0.07Lux @ (F1.2, AGC ON) ,0 Lux with IR                      |
| Shutter Speed            | 1/3 s to 1/100,000 s                                                                                                                                  |             |                                                              |
| Lens                     | 2.8 - 12 mm @ F1.4                                                                                                                                    |             |                                                              |
|                          | Angle of view: 113°-33.8°                                                                                                                             |             | Angle of view: 105.2°-31.9°                                  |
| Day &Night               | IR cut filter with auto switch                                                                                                                        |             |                                                              |
| Digital Noise Reduction  | 3D DNR                                                                                                                                                |             |                                                              |
| Wide Dynamic Range       | Digital WDR                                                                                                                                           |             |                                                              |
| Compression Standard     |                                                                                                                                                       |             |                                                              |
| Video Compression        | H.264/ MJPEG                                                                                                                                          |             |                                                              |
| Video Bit Rate           | 32 Kbps – 8 Mbps                                                                                                                                      |             | 32 Kbps – 12 Mbps                                            |
| Image                    |                                                                                                                                                       |             |                                                              |
| Max. Resolution          | 1280 × 960                                                                                                                                            | 1920 × 1080 | 2048 × 1536                                                  |
| Frame Rate               | 30fps(1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)                                                                                            |             | 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720) |
| Image Settings           | Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser                                                            |             |                                                              |
| Backlight compensation   | Yes, zone optional                                                                                                                                    |             |                                                              |
| Network                  |                                                                                                                                                       |             |                                                              |
| Network Storage          | NAS (Support NFS,SMB/CIFS)                                                                                                                            |             |                                                              |
| Alarm Trigger            | Motion detection, Dynamic analysis, Tampering alarm, Network disconnect , IP address conflict, Storage exception                                      |             |                                                              |
| Protocols                | TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour                                         |             |                                                              |
| General                  | One-key reset, Flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access |             |                                                              |
| Standard                 | ONVIF, PSIA, CGI, ISAPI                                                                                                                               |             |                                                              |
| Interface                |                                                                                                                                                       |             |                                                              |
| Communication Interface  | 1 RJ45 10M/100M Ethernet interface                                                                                                                    |             |                                                              |
| On-board storage         | Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB                                                                                                    |             |                                                              |
| General                  |                                                                                                                                                       |             |                                                              |
| Operating Conditions     | -30 °C – 60 °C (-22 °F – 140 °F); Humidity 95% or less (non-condensing)                                                                               |             |                                                              |
| Power Supply             | 12 V dc ± 10%; PoE (802.3af)                                                                                                                          |             |                                                              |
| Power Consumption        | Max. 7.5 W                                                                                                                                            |             |                                                              |
| Ingress Protection level | IP66                                                                                                                                                  |             |                                                              |
| IR Range                 | 30 meters                                                                                                                                             |             |                                                              |
| Dimensions               | 95×105×258.6 mm (3.74" × 4.13" × 10.18")                                                                                                              |             |                                                              |
| Weight                   | 1200g (2.6 lbs)                                                                                                                                       |             |                                                              |

## WBXID204RT

### IP DOME CAMERA



#### 2.1 MP IR Vandal Dome Camera

The WBXID204RT is a 2.1 MP (1920 X 1080) dome camera constructed with a 2.8 mm lens. This 2.1 MP Camera is IP66/IK10 rated and provides HD Image quality and is ideal for numerous indoor/outdoor applications such as commercial, home or office use as well as monitoring hallways, unattended storage areas and various other installation applications.

- 2.8 mm lens
- 30 IR LEDs
- IR up to 30M (100 ft)
- 1920 X 1080 Picture Quality @ 30 FPS
- 3D DNR & DWDR
- Zone Optional BLC
- True Day Night
- Operating Temperature -30 °C – 60 °C (-22 °F – 140 °F)
- Max. 7W Power Consumption
- IP 66 & IK 10 Rated
- PoE / 12Vdc
- Micro SD Card Slot (Card Not Included)
- Onvif Supported
- Warranty - 60 Months

DIAMETER: 111mm  
DEPTH: 82mm  
WEIGHT: 500g

ONVIF



# Specifications

| Model                    | WBXID134RT                                                                                                                                            | WBXID204RT                                                                          | WBXID304RT                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Camera                   |                                                                                                                                                       |                                                                                     |                                                                    |
| Image Sensor             | 1/3" Progressive Scan CMOS                                                                                                                            | 1/2.8" Progressive Scan CMOS                                                        | 1/3" Progressive Scan CMOS                                         |
| Min. Illumination        | 0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR                                                                                                               | 0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR<br>0.028Lux @ (F2.0, AGC ON) ,0 Lux with IR | 0.07Lux @ (F1.2, AGC ON) ,0 Lux with IR                            |
| Shutter Speed            | 1/3 s to 1/100,000 s                                                                                                                                  |                                                                                     |                                                                    |
| Lens                     | 2.8mm@ F2.0                                                                                                                                           |                                                                                     |                                                                    |
|                          | Angle of view: 73.1°                                                                                                                                  | Angle of view: 85°                                                                  | Angle of view: 79°(1920 × 1080)<br>Angle of view: 70°(2048 × 1536) |
| Day &Night               | IR cut filter with auto switch                                                                                                                        |                                                                                     |                                                                    |
| Digital Noise Reduction  | 3D DNR                                                                                                                                                |                                                                                     |                                                                    |
| Wide Dynamic Range       | Digital WDR                                                                                                                                           |                                                                                     |                                                                    |
| Angle Adjustment         | Pan:0° - 355°, Tilt: 0° - 65°                                                                                                                         |                                                                                     |                                                                    |
| Compression Standard     |                                                                                                                                                       |                                                                                     |                                                                    |
| Video Compression        | H.264/ MJPEG                                                                                                                                          |                                                                                     |                                                                    |
| Video Bit Rate           | 32 Kbps – 8 Mbps                                                                                                                                      |                                                                                     | 32 Kbps – 12 Mbps                                                  |
| Image                    |                                                                                                                                                       |                                                                                     |                                                                    |
| Max. Resolution          | 1280 x 960                                                                                                                                            | 1920 × 1080                                                                         | 2048 × 1536                                                        |
| Frame Rate               | 30 fps (1280 × 960), 30 fps (1280 x 720), 30 fps (704 x 576), 30 fps (640 x 480)                                                                      | 30fps(1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)                          | 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)       |
| Image Settings           | Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser                                                            |                                                                                     |                                                                    |
| Backlight compensation   | Yes, zone optional                                                                                                                                    |                                                                                     |                                                                    |
| Network                  |                                                                                                                                                       |                                                                                     |                                                                    |
| Network Storage          | NAS (Support NFS,SMB/CIFS)                                                                                                                            |                                                                                     |                                                                    |
| Alarm Trigger            | Motion detection, Dynamic analysis, Tampering alarm, Network disconnect , IP address conflict, Storage exception                                      |                                                                                     |                                                                    |
| Protocols                | TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour                                         |                                                                                     |                                                                    |
| General                  | One-key reset, Flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access |                                                                                     |                                                                    |
| Standard                 | ONVIF, PSIA, CGI, ISAPI                                                                                                                               |                                                                                     |                                                                    |
| Interface                |                                                                                                                                                       |                                                                                     |                                                                    |
| Communication Interface  | 1 RJ45 10M/100M Ethernet interface                                                                                                                    |                                                                                     |                                                                    |
| Reset Button             | Yes                                                                                                                                                   |                                                                                     |                                                                    |
| General                  |                                                                                                                                                       |                                                                                     |                                                                    |
| Operating Conditions     | -30 °C – 60 °C (-22 °F – 140 °F); Humidity 95% or less (non-condensing)                                                                               |                                                                                     |                                                                    |
| Power Supply             | 12 V dc ± 10%; PoE (802.3af)                                                                                                                          |                                                                                     |                                                                    |
| Power Consumption        | Max. 7 W                                                                                                                                              |                                                                                     |                                                                    |
| Impact Protection        | IEC60068-2-75Eh, 20J; EN50102, up to IK10                                                                                                             |                                                                                     |                                                                    |
| Ingress Protection level | IP66                                                                                                                                                  |                                                                                     |                                                                    |
| IR Range                 | 30 meters                                                                                                                                             |                                                                                     |                                                                    |
| Dimensions               | Φ111 × 82 (4.4" × 3.2")                                                                                                                               |                                                                                     |                                                                    |
| Weight                   | 500g (1.1 lbs)                                                                                                                                        |                                                                                     |                                                                    |