

2M HD IP Box

XV-BX2004-I



XV-BX2004-I is a HD network camera based on H.264 technology, supporting 720P, SXGA (1.3MP) or 1080P (2MP) resolution. With auto iris, SD card slot, CVBS, audio and alarm interface, it provides users with a low cost and high performance HD IP solution.

1080P Full HD image quality
Ambarella A5s66 + Sony CMOS
Excellent 4A Auto Control
- Auto Gain Control, Auto Iris, Auto White Balance, Auto Exposure
Multiple Interface
Optional
- Day & Night Function
- AC24V & PoE (IEEE802.3af) Power Supply

Features

Excellent HD Performance

With HDTV 1080P + Full D1 + CVBS or SXGA + Full D1+CVBS multiple-stream resolution, It supports H.264 main profile in full frame rate and MJPEG video stream.

Excellent 4A Auto Control

With broadcast-class 4A -auto control technology, It can auto adjust AWB/AE/AGC depending on the environment scene changes in order to let the image quality to reach the best effect.

3D-MCTF Noise Reduction

With 3D-MCTF (Motion Compensation Temporal Filtering) digital noise reduction function, it cleans up image noise with minimal motion blur or loss of sharpness.

Offline Storage

With micro SD/SDHC card slot, it can keep several days video without any external equipment.

Hybrid Output

It's kind of hybrid network camera. It can output HD network data stream and can choose the second 480P video stream and the third CVBS analog video when output 1080P network data.

Local Storage Function

With micro SD/SDHC memory card slot, up to 64GB it can keep recording video contents for several days without any external device.

Auto Iris Lens Support

With DC-iris interface, it supports DC driver auto iris lens. Thus, it can get an excellent image by iris control.

Multiple Interface

It has multiple interface such as DC12V power supply, CVBS, DC-IRIS, two-way audio, alarm input & output, SDHC/TF, RS485,etc.

Specification

Camera

Image Sensor	1/2.9"2.1 Progressive Scan SONY CMOS
Lens	Without lens (MP level DC drive auto iris lens, C/CS interface recommended)
Lens interface type	CS/C interface
MIN. Illumination	Color: 0.05 Lux @ F1.2 B/W: 0.02 Lux @ F1.2
Day & Night	Optional Automatic Day / Night
Shutter Speed	1/25 or 30 ~ 1/10,000sec
DNR	3D -MCTF DNR
AGC	Auto
White Balance	Auto
Auto Iris	Support (Auto Iris Lens Interface: DC-iris)
WDR	dWDR
Horizontal Definition	>1000TVL (1920x1080 pixels)
Image Setting	✓ Image format , code rate , luminance, contrast , saturation, sharpness, AWB adjustable ✓ Multiple-zone intelligent OSD ✓ Day/Night Mode (Auto/ Manual/Schedule)
Day & Night Mode	Auto / Timing / Manual
Other Functions	Key to restore factory settings, Anti-Flicker, Three streams, Heartbeat, Image rotation, Privacy Masking, Watermarking, Setting access port.

General

Communication	1* RJ45 10M/100M adaptive Ethernet port 1* RS-485 interface
Digital In	1channel, Active Low , $V_{in} \leq 0.3V$
Digital Out	1channel, Level signal, $V_{out} = +12V$, $I_{MAX} = 5mA$ (Default as low level 0V)
Video Out	1channel CVBS SD composite video output (BNC interface, $1.1V_{p-p} \pm 10\%$, $R_L = 75\Omega$)
Audio Interface	Linear Audio Input & Output interface (Line In/Out), $V_{in} \text{ MAX} \leq 4V_{p-p}$, $V_{out} \text{ MAX} \leq 2V_{p-p}$
Power	DC12V $\pm 10\%$ / DC12V + AC24V + PoE (AC24V and PoE optional)
Power Consumption	<5 W MAX
Approvals	CE, FCC, RoHS
Material	Aluminum Die-casting
Dimension	133(L) x 68(W) x 56(H)mm
Weight	NET: 370g, Packing: 600g
Operating Temp.	0°C ~ 50°C (32°F ~ 122°F)
Humidity	95% RH (non-condensing)

Network

Interface	10/100BASE-T
Video Compression	H.264 / MJPEG (Main Profile @Level 4.1)
Compressed Output bit rate	100 Kbps ~ 8Mbps
Video Streaming	Support multichannel video stream output with full frame rate in maximum resolution, frame rate and bandwidth adjustable, H.264 supports VBR/CBR
Multiple-streaming	FHD/1080P + Full D1 + CVBS
Max. Resolution	Full HD/1080P(1920x1080) + Full D1
Frame Rate	25/30fps
Audio Compression	G.711 / AAC / MP2 (G.711(64Kbps) / MP2(16kHz 16bit 32kbps)
Local Storage	Micro SD/SDHC card (card not included)
Offline Storage	Support SDHC card, TF card
Intelligent Alarm	Motion detection, Network Cable broken, Storage full, Error of Memory
Max No. of Clients	8
Protocols Supported	IPv4, TCP/IP, UDP, HTTP, DHCP, RTP/RTCP/RTSP, FTP, UPnP, DDNS, NTP, IGMP, ICMP
ONVIF	Support, GB/T 28181
Security	Password protection, Multiple-user access control
API	Support SDK, APP, NVR and CMS Management platform software
OS Supported	Windows 7, 8, Vista, XP, 2000

Dimensions

