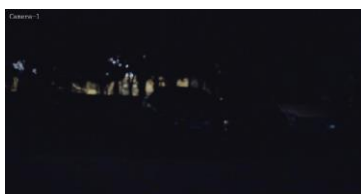


2M HD IP White-Night Box

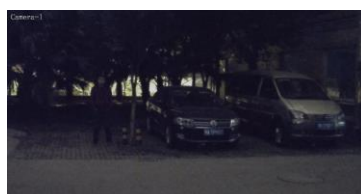
XV-BX2004-I/IL



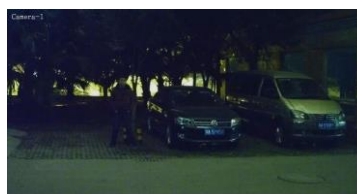
Ultra Low light
Excellent Color Image at night or in a dark condition
Full Real-time HD 1080p Video Image Output
High Frame Rate 60fps
2MP 25fps / 30fps
Ambarella S2 + Sony CMOS
HD Full Stream Output
Excellent 4A Auto Control
- Auto Gain Control, Auto Iris, Auto White Balance, Auto Exposure
Full Function Interface



Normal Camera - Identification Impossible



Low Light Camera - More Noise



XV-BX2004-I/IL - Less Noise & Color Image

Features

Ultra Low Illumination

With full HD real-time resolution, illuminance value can reach 0.002Lux@F1.2 under color mode, and it can reach 0.0002Lux@F1.2 under B/W mode. It can display color video image under dark or no light condition.

High Frame Rate

(Optional, if with ultra-low light, then no high frame rate)
This camera can work with high frame rate mode. Frame rate can reach 1080P @60fps. It can capture movement speed of faster object. Thus, it's suitable for highway or sports venues.

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.

High Resolution & Low Bit Rate

With H.264 High Profile compression technique, low delay and low code rate, it can reach 1000TVL when compressing 1080P video under 3-4Mbps, utmost to save network bandwidth and storage space.

Multi-stream Output

It's kind of hybrid network camera. It can output 4 channel HD resolution video streams (FHD/1080P+720P+Full D1+CIF). Also, it can output 1080P+Full D1 +CVBS/HDMI.

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.

Unique Heat Dissipation Design

With rocket shaped heat dissipation design, it gives beautiful, generous and heavy impression. Rigorous temperature testing allows stability under any circumstances.

Power Protection

Camera power supply Interface is able to support both DC12V and AC24V to avoid misuse or backwards on the camera circuit damage.

Motion Detection & Alarm Linkage

When the video image is changed, it can automatically do the detection, alarm linkage and PTZ control, meanwhile inputting external sensor signal to the linkage.

Image Rotation & Mirror

It supports 90°, 180°, and 270° image rotation, then is able to be used in some special areas such as traffic light, ultra market cashier desk, long and narrow corridor, and etc.

Multiple Power Supply Mode

It supports 12V DC or 24V AC adapter (optional), with PoE (IEEE 802.3af) technology (optional). Users can deploy cameras via PoE so that eliminate the needs for power cables and reducing installation

Specification

Camera

Image Sensor	1/1.9" 2.38MP Sony Progressive Scan CMOS
Effective Pixels	Approx. 2 Mega pixels
Aspect Ratio	HD: 16:9 SD: 4:3
Lens	Without lens (CS interface user optional 1/2", 1", 4/3" 2MP or above 2MP HD lens)
Lens interface type	CS/C interface
MIN. Illumination	Color: 0.002 Lux @ F1.2 (AGC On) B/W: 0.0002 Lux @ F1.2 (AGC On)
Day & Night	Automatic Day / Night IR filter switch mechanism
Shutter Speed	1/25 or 30 ~ 1/10000sec
DNR	3D -MCTF DNR
AGC	Auto
White Balance	Auto
Auto-Iris	Support (Auto Iris Lens Interface: DC-iris)
WDR	dWDR
BLC	Open / Close
HLC	Open / Close
Defog	Support
Horizontal Definition	>1000TVL
Image Setting	✓ Image format , code rate , luminance, contrast , saturation, sharpness, AWB adjustable ✓ Multiple-zone intelligent OSD ✓ Image rotation & Mirror (Corridor mode) ✓ Day/Night mode ✓ Multiple scene automatically switch ✓ Latitude & Longitude image mode ✓ Privacy Masking
Day & Night Mode	Auto / Timing / Manual / External trigger
Exposure Mode	Dark exposure, Center exposure, Average exposure, Designated areas exposure optional
Other Functions	Key to restore factory settings, Anti-Flicker, Three streams, Heartbeat, Image rotation, Privacy Masking, Watermarking, Setting access port.

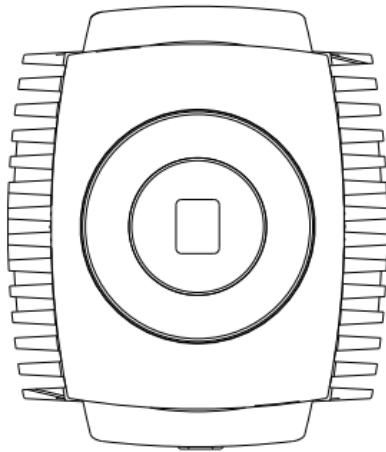
General

Communication	1* RJ45 10M/100M adaptive ether net ports 1* RS232 (RS-485) interface
Digital In	1channel, Active Low , Vin<=0.3V
Digital Out	1channel, Binary signals, 1A/125VAC, 1A/30VDC
Video Out	1channel CVBS SD composite video output (BNC interface ,1.1Vp-p±10% ,RL=75Ω) 1channel HDMI 1.4a HD digital output
Audio Interface	3.5mm Linear audio input & output interface (Line In/Out), External active microphone or line input.
USB Interface	Standard USB2.0 interface
Power	DC12V±10% / DC12V + AC24V + PoE (AC24V and PoE optional)
Power Consumption	<5 W MAX
Approvals	CE, FCC, IP66, RoHS
Material	Aluminum Die-casting
Dimension	L154 x W82 x H70mm
Weight	750g
Operating Temp.	-20°C ~ 55°C (-4°F ~ 131°F)
Humidity	20 ~ 80% RH (non-condensing)

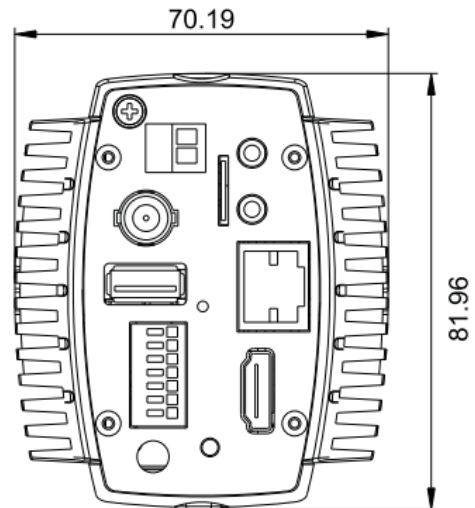
Network

Interface	10/100BASE-T
Video Compression	H.264/MJPEG
H.264 code level	High Profile @ Level 5.1
Compressed Output bit rate	32 Kbps ~ 12Mbps
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	Under high frame rate mode is single stream Full stream: FHD/1080P + 720P + Full D1 + CIF Multiple stream : 1080P + Full D1 + CVBS/HDMI
Max. Resolution	Full HD/1080P(1920x1080)
Frame Rate	Under high frame rate mode can be 60fps (Optional) Other resolution can be 25/30fps
Audio Compression	G.711(64Kbps) / MP2(16kHz 16bit 32kbps)
Local Storage	Micro SD/SDHC card (card not included)
Offline Storage	Support SDHC card, TF card; Stored video clips and snapshot.
ROI	Support setting fixed area or dynamic tracking
ePTZ	Support
Intelligent Alarm	Face detection, Motion detection, Masking Alarm, Cable broken, IP address conflict, Storage full, Error of Memory
Alarm Linkage	Upload alarm info and video files from FTP, HTTP and image server; start SD/SDHC storage video, Relay output.
Alarm	Pre-Post Alarm
Max No. of Clients	8
Protocols Supported	IPv4, TCP/IP, ONVIF, UDP, HTTP, DHCP, RTP/RTCP/RTSP, FTP, UPnP, DDNS, NTP, IGMP, ICMP
ONVIF	Support
Security	Password protection, Multiple-user access control
API	Support software API, include SDK and VMP video management center platform
OS Supported	Windows 7, 8, Vista, XP, 2000

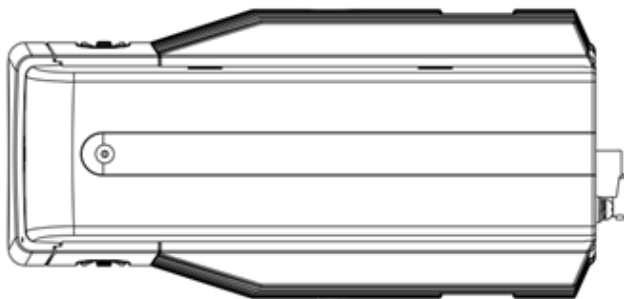
Dimensions



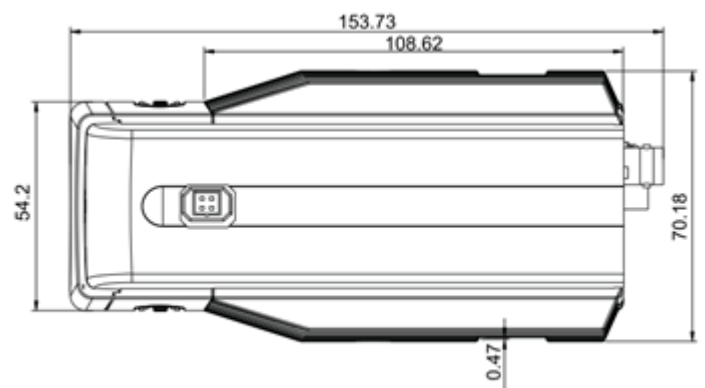
Front view



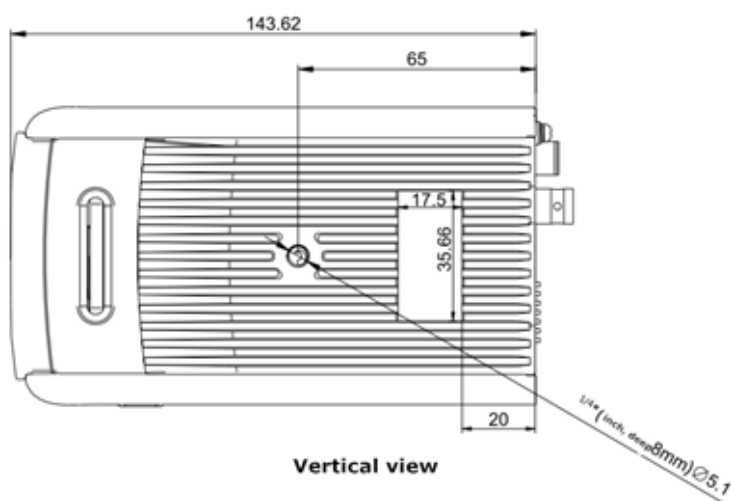
Back view



Left view



Right view



Vertical view