

# Box-type 1080/60p Camera Powered by IPELA ENGINE EX™

- Maximum resolution of 1920 x 1080 pixels with the Exmor™ CMOS sensor
- High frame rate of 60 frames per second (fps)
- Dynamic range equivalent to 90 dB achieved with View-DR technology
- Scene analytics enhanced by unique features such as face detection
- H.264 (High/Main/Baseline Profile)/JPEG video codecs and AAC (16 kHz/48 kHz)/G.726/G.711 audio codecs
- Minimum illumination of 0.1 lx in Color mode and 0.07 lx in B/W mode at 50 IRE and 30 fps



#### **KEY FEATURES**

- IPELA ENGINE EX signal processing system developed based on Sony's unique signal processing and video analytics technologies to provide unique  $IPEL\Lambda$ features such as a high frame rate, ENGINE EX View-DR, XDNR, and DEPA™ Advanced
- · High frame rate of 60 fps to provide smoother and less blurry moving pictures
- View-DR Sony's innovative wide dynamic range technology - to capture objects clearly and adaptively even under very harsh, severe backlight or highlight conditions





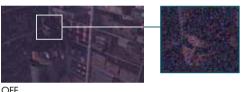


Actual Images

- · Visibility Enhancer (VE) to optimize the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene within the given dynamic range
- DEPA Advanced Intelligent Video and Audio Analytics to trigger an alarm based on user-defined rules



 XDNR (eXcellent Dynamic Noise Reduction) technology for clear images without motion blur under low illumination



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Actual Images

- SD card slot for an on-board recording capability\*
- True D/N (Day/Night) function to switch to Day or Night mode depending on the light level
- · Smartphone Viewer for accessing the camera from a smartphone
- · Easy Focus/Easy Zoom for easy installation
- Powered by either PoE (IEEE 802.3af-compliant), AC 24 V ±20%, or DC 12 V  $\pm 10\%$  for easy installation
- ONVIF (Open Network Video Interface Forum) Profile S conformance

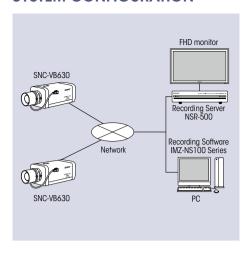


- · VBR (variable bitrate) or CBR (constant bitrate) encoding format selectable to correspond with various network conditions
- · Easy initial network settings by supplied SNC Easy IP Setup Guide application
- · Image Stabilizer to minimize the effect of camera shake or vibration for less blurry images
- $^{\ast}$  Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

## **SPECIFICATIONS**

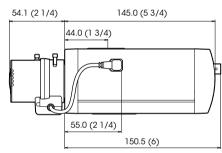
	SNC-VB630
Camera	100
Image Sensor Image Sensor (Number of Effective Pixels)	1/2.9-type progressive scan Exmor CMOS sensor Approx. 2.14 Megapixels
Signal System	Approx. 2.14 Megapixers NTSC color system/PAL color system (switchable)
Minimum Illumination (50 IRE)	Color: 0.1 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
	B/W: 0.07 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
Minimum Illumination (30 IRE)	Color: 0.06 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
Dimensia Denes	B/W: 0.05 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)  Equivalent to 90 dB with View-DR technology
Dynamic Range S/N Ratio	More than 50 dB (Gain 0 dB)
Gain	Auto
Shutter Speed	1/1 s to 1/10000 s
Sync System	Internal synchronization
Exposure Control	Exposure compensation, AGC, Shutter speed, Iris
White Balance	ATW, ATW-PRO, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual CS mount varifocal lens
Lens Zoom Ratio	Optical zoom 2.9x, Digital zoom 2x *3
Powered Focus	Yes (Easy Focus)
Horizontal Viewing Angle	114.2° to 40.0°
Vertical Viewing Angle	60.6° to 22.5°
Focal Length	f = 2.8 mm to 8.0 mm
F-Number	F1.2 (Wide) to F1.95 (Tele)
Minimum Object Distance Horizontal Resolution	300 mm 700 TV lines (analog video) *2
Preset Position	8
Tour	5
Camera Features	
Day/Night	Yes
Wide-D	Yes (View-DR)
Image Enhancement	Visibility Enhancer (VE) XDNR
Noise Reduction Image Stabilizer	Ves *3 *6
Image Stabilizer	TOO .
Codec Image Size (H x V)	1920 x 1080, 1280 x 720, 1024 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 184
	(H.264, JPEG)
Video Compression Format	H.264 (High/Main/Baseline Profile), JPEG
Codec Streaming Capability	Triple Streaming *1, CBR/VBR (selectable) *4
Maximum Frame Rate	H.264: 60 fps (1920 x 1080) JPEG: 60 fps (1280 x 720)
Audio	31 EO. 00 1ps (1200 x 720)
Audio Compression Format	G.711/G.726/AAC (16 kHz, 48 kHz)
Scene Analytics	W
Intelligent Motion Detection Face Detection	Yes Yes *5
Rule-based Filter	DEPA Advanced *3
Network	
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SMTP, IPv6 *5, HTTPS *4, SNMP (MIB-2) *4
Onvif Conformance	Yes (Profile S) *5
Number of Clients	20
Number of Clients Authenticatoin	20 IEEE 802.1X *4
Number of Clients Authenticatoin Interface	IEEE 802.1X *4
Number of Clients Authenticatoin Interface Analog Video Output	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 $\Omega$ , unbalance, sync negative
Number of Clients Authenticatoin Interface	IEEE 802.1X *4
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) Mini jack (monaural), Maximum output level: 1 Vrms 108ASE-T/108ASE-T/X (RJ-45)
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative  Mini jack (monaural), Maximum output level: 1 Vrms  108ASE-T/1008ASE-TX (RJ-45) x2, make confact, break confact
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) Mini jack (monaural) Mini jack (monaural) Mini jack (monaural) Modimum output level: 1 Vrms  10BASE-17100BASE-1X (RJ-45) x2, make contact, break contact x2, 24 VA/CDC, 1 A (mechanical relay outputs electrically isolated from the camera)
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative  Mini jack (monaural)  Mini jack (monaural), Maximum output level: 1 Vrms  108ASE-T1 (08ASE-TX (0.4-45)  x2, make contact, break contact  x2. 24 V AQ/DC, 1 Λ (mechanical relay outputs electrically isolated from the camera)  Mini jack (monaural)
Number of Clients Authenticatoin Interface Analog Video Output Line Input Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) Mini jack (monaural) Mini jack (monaural) Mini jack (monaural) Modimum output level: 1 Vrms  10BASE-17100BASE-1X (RJ-45) x2, make contact, break contact x2, 24 VA/CDC, 1 A (mechanical relay outputs electrically isolated from the camera)
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative  Mini jack (monaural), Maximum output level: 1 Vrms  108ASE-T/1008ASE-TX (RJ-45)  x2, make contact, break contact x2, 24 VAC/DC, 1 A (mechanical relay outputs electrically isolated from the camera)  Mini jack (monaural)  SD Card x1  Windows XP (32 bit) Professional Edition
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SZ, make contact, break contact  x2, 24 VA/CD, 14 (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bit) Professional Edition Windows VSIsta (32 bit) Utilimate Business Edition
Number of Clients Authenticatoin Interface Analog Video Output Line Input Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative  Mini jack (monaural)  Mini jack (monaural), Maximum output level: 1 Vrms  108ASE-17 (08-45)  x2, make contact, break contact  x2, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera)  Mini jack (monaural)  SD Card x1  Windows XP (32 bit) Professional Edition  Windows Vista (32 bit) Utilinate, Business Edition  Windows Vista (32 bit) Utilinate, Professional Edition
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Line Output Line Output Alarm Output Alarm Output Microphone Input Card Slots System Requirements Operating System Processor	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SD 267 (A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) Mini jack (monaural) Windows XP (32 bit) Professional Edition Windows XP (32 bit) Professional Edition Windows Y (32 bit) Ultimate, Business Edition Windows Y (32 bit) Ultimate, Business Edition Windows Y (32 bit) Ultimate, Professional Edition
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative  Mini jack (monaural)  X2, make contact, break contact  x2, 24 VA/CDC, 14 (mechanical relay outputs electrically isolated from the camera)  Mini jack (monaural)  SD Card x1  Windows XP (32 bii) Professional Edition  Windows XP (32 bii) Professional Edition  Windows 7 (32/64 bii) Ultimate, Business Edition  Windows 7 (32/64 bii) Ultimate, Professional Edition  Intel Carel 7.8 GHz or higher  2 68 or more
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Line Output Line Output Alarm Output Alarm Output Microphone Input Card Slots System Requirements Operating System Processor	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) S2, and S4 contact  22, 24 VAC/DC, 14 (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bit) Professional Edition Windows Y1sta (32 bit) Professional Edition Windows V1sta (32 bit) Professional Edition Windows Y3 (32 bit) Professional Edition Mindows T (32/64 bit) Milmate, Professional Edition Intel Corei 7 2.8 GHz or higher 2 GB or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Fireflox Ver. 3.5 (Nug-in frew viewer only)
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SD 267 x2, make contact x2, 24 V A/C/DC, 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bit) Professional Edition Windows V (32 bit) Professional Edition Windows V (32 bit) Ultimate, Professional Edition Intel Corei7 2.8 GHz or higher 2.68 or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (Plug-in free viewer only) Safari Ver. 4.0 (Plug-in free viewer only)
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Line Output Line Output Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory Web Browser	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) S2, and S4 contact  22, 24 VAC/DC, 14 (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bit) Professional Edition Windows Y1sta (32 bit) Professional Edition Windows V1sta (32 bit) Professional Edition Windows Y3 (32 bit) Professional Edition Mindows T (32/64 bit) Milmate, Professional Edition Intel Corei 7 2.8 GHz or higher 2 GB or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Fireflox Ver. 3.5 (Nug-in frew viewer only)
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory Web Browser	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative  Mini jack (monaural)  X2, make contact, break contact  x2, 24 VA/ΩC, 14 (mechanical relay outputs electrically isolated from the camera)  Mini jack (monaural)  SD Card x1  Windows XP (32 bit) Professional Edition  Windows XP (32 bit) Professional Edition  Windows Y2 (32 bit) Professional Edition  Windows Y3 (32 bit) Utilimate, Business Edition  Windows Y3 (32 bit) Utilimate, Professional Edition  Intel Carel 7.2 8 GHz or higher  2 GB or more  Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0  Firefox Ver. 3.5 (Plug-in free viewer only)  Safari Ver. 4.0 (Plug-in free viewer only)  Google Chrome Ver. 4.0 (Plug-in free viewer only)
Number of Clients Authenticatoin Interface Analog Video Output Line Input Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory Web Browser  General Power Requirements	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SD 267 x2, make contact x2, 24 V A/C/DC, 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bit) Professional Edition Windows V (32 bit) Professional Edition Windows V (32 bit) Ultimate, Professional Edition Intel Corei7 2.8 GHz or higher 2.68 or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (Plug-in free viewer only) Safari Ver. 4.0 (Plug-in free viewer only)
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory Web Browser	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SD SCD (24 V A/DC). 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bit) Professional Edition Windows Vista (32 bit) Professional Edition Windows Vista (32 bit) Utilimate, Business Edition Windows Vista (32 bit) Utilimate, Business Edition Windows Y (32/64 bit) Utilimate, Professional Edition Intel Corei 7 2.8 Bitz or higher 2 GB or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (Plug-in free viewer only) Safari Ver. 4.0 (Plug-in free viewer only) PoE system (IEEE 802.3af compiliant), DC 12 V ± 10%, AC 24 V ± 20%
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Power Requirements Operating Imput Card Slots System Requirements Operating System  Processor Memory Web Browser	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) Mini jack (monaural) Mini jack (monaural) Mini jack (monaural) Mose contact, break contact x2, and ke contact, break contact x2, 24 VA/DC, 14 (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows V(32 bit) Professional Edition Win
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Power Consumption Operating Iemperature Storage Iemperature Storage Iemperature Storage Iemperature Storage Iemperature Storage Iemperature	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) Mini jack monaural Mini jack (monaural) Mini jack (monau
Number of Clients Authenticatoin Interface Analog Video Output Line Input Line Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory Web Browser  Ceneral Power Requirements Power Consumption Operating Temperature Storting Temperature Storting Temperature Storage Temperature Operating Temperature Storage Temperature Operating Temperature	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SD SaBE-T/1008ASE-Tix (RJ-45) x. 2, make contact, treatk contact x2, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bit) Professional Edition Windows Vista (32 bit) Utilimate, Business Edition Windows Vista (32 bit) Utilimate, Business Edition Windows Y (32/64 bit) Utilimate, Professional Edition Intel Corei 7 2.6 8 Hz or higher 2 GB or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (Plug-in free viewer only) Sodari Ver. 4.0 (Plug-in free viewer only) Sodari Ver. 4.0 (Plug-in free viewer only) PoE system (IEEE 802.3af compliant), DC 12 V ± 10%, AC 24 V ± 20% 6.0 W mox
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Operating Imperature Storage Hemperature Storage Temperature Storage Temperature Operating Humidity	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SQ, 14 VAC/DC, 14 (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bii) Professional Edition Windows XP (32 bii) Professional Edition Windows Ysta (32 bii) Professional Edition Windows Ysta (32 bii) Utilimate, Professional Edition Mindows Ya (32 bii) Professional Edition Mindows 7 (32/64 bii) Utilimate, Professional Edition Mindows 17 (32/64 bii) Utilimate, Professional Edition Mindows 17 (32/64 bii) Hindows Professional Edition Mindows 17 (32/64 bii) Hindows Professional Edition Mindows 17 (32/64 bii) Hindows Professional Edition Mindows 17 (32/64 bii) Utilimate, Professional Edition Mindows 17 (32/64 bii) Hindows 17 (32/64 bii) Utilimate, Professional Edition Mindows 18 (32/64 bii) Professional Edition Windows 18 (32/64 bii) Professional Edition
Number of Clients Authenticatoin Interface Analog Video Output Line Input Line Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory Web Browser  Ceneral Power Requirements Power Consumption Operating Temperature Storting Temperature Storting Temperature Storage Temperature Operating Temperature Storage Temperature Operating Temperature	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) Sea Set Vi 08ASE-TX (RJ-45)  x2, make contact, break contact x2, 24 V ACDC, 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bit) Professional Edition Windows XF (32 bit) Professional Edition Windows Vista (32 bit) Utilimate, Business Edition Windows 7 (32/64 bit) Utilimate, Business Edition Windows 7 (32/64 bit) Utilimate, Business Edition Windows 7 (32/64 bit) Utilimate, Professional Edition Intel Corari 2, 36 Bitz or higher 2 GB or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (Plug-in free viewer only) Google Chrome Ver. 4.0 (Plug-in free viewer only) Google Chrome Ver. 4.0 (Plug-in free viewer only) PoE system (IEEE 802.3af compiliant), DC 12 V ± 10%, AC 24 V ± 20% 6.0 W mox10°C to +50°C (14°F to 122°F) -10°C to +50°C (14°F to 122°F) -20°C to +60°C (14°F to 122°F) -20°C to +60°C (14°F to 140°F) -20% to 80% -20% to 95% -20 mm x 3 mm x 145 mm (2 7/8 inches x 2 1/2 inches x 5 3/4 inches) (without lens)
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Operating Imperature Storage Hemperature Storage Temperature Storage Temperature Operating Humidity	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SQ, 14 VAC/DC, 14 (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x1  Windows XP (32 bii) Professional Edition Windows XP (32 bii) Professional Edition Windows Ysta (32 bii) Professional Edition Windows Ysta (32 bii) Utilimate, Professional Edition Mindows Ya (32 bii) Professional Edition Mindows 7 (32/64 bii) Utilimate, Professional Edition Mindows 17 (32/64 bii) Utilimate, Professional Edition Mindows 17 (32/64 bii) Hindows Professional Edition Mindows 17 (32/64 bii) Hindows Professional Edition Mindows 17 (32/64 bii) Hindows Professional Edition Mindows 17 (32/64 bii) Utilimate, Professional Edition Mindows 17 (32/64 bii) Hindows 17 (32/64 bii) Utilimate, Professional Edition Mindows 18 (32/64 bii) Professional Edition Windows 18 (32/64 bii) Professional Edition
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Power Requirements Operating Imput Storage Imput Card Slots System System  Processor Memory Web Browser	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) X2, make contact, break contact X2, 24 V x D/CD, 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Cord x1  Windows XP (32 bit) Professional Edition Windows Vista (32 bit) Ultimate, Business Edition Windows Vista (32 bit) Ultimate, Business Edition Windows Vista (32 bit) Ultimate, Professional Edition Intel Corei 7 2.6 8 Rtz or higher 2 GB or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (Plug-in free viewer only) Safari Ver. 4.0 (Plug-in free viewer only)  PoE system (IEEE 802.3af compliant), DC 12 V ± 10%, AC 24 V ± 20% 6.0 W max 1-0°C to +50°C (24°F to 122°F) -0°C to +50°C (24°F to 122°F) -20°C to +60°C (44°F to +140°F) 20% to 95% 20% to 95% -20% to 95% -20m x 63 mm x 145 mm (2 7/8 inches x 2 1/2 inches x 5 3/4 inches) (without lens) 72 mm x 63 mm x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches) (with lens) Approx. 565 g (1 to 4 oz) (with lens) Approx. 565 g (1 to 4 oz) (with lens) Approx. 565 g (1 to 4 oz) (with lens)
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Power Consumption Operating Iemperature Storage Iemperature Storage Iemperature Storage Iemperature Operating Iemperature Storage Humidity Dimensions (W x H x D)  Mass	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SD 265 (17 008ASE-TIX (RJ-45)  X2, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camero) Mini jack (monaural) SD Card XI  Windows XP (32 bit) Professional Edition Windows V (32 bit) Professional Edition Windows V (3264 bit) Ultimate Business Edition Windows V (3264 bit) Ultimate, Professional Edition Intel Corei7 2.8 GHz or higher 2.68 or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (Plug-in free viewer only) Google Chrome Ver. 4.0 (Plug-in free viewer only) Sadri Ver. 4.0 (Plug-in free viewer only) Google Chrome Ver. 4.0 (Plug-in free viewer only)  PoE system (IEEE 802.3af compilant), DC 12 V ± 10%, AC 24 V ± 20% 6.0 W mox.  -10°C to -45°C (14°F to 122°F) -0°C to 50°C (32°F to 122°F) -20°C to -46°C (44°F to 140°F) -20% to 80% -20% to 95% 72 mm x 63 mm x 145 mm (2 7/8 inches x 2 1/2 inches x 5 3/4 inches) (without lens) 72 mm x 63 mm x 145 mm (2 7/8 inches x 2 1/2 inches x 5 3/4 inches) (without lens) JAET Exchincial Standard (LAN)
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Power Consumption Operating Iemperature Storage Iemperature Storage Iemperature Storage Iemperature Operating Iemperature Storage Humidity Dimensions (W x H x D)  Mass	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SD Cord x1  Windows XP (32 bit) Professional Edition Windows Vista (32 bit) Utilimate, Business Edition Windows Vista (32 bit) Utilimate, Business Edition Windows Vista (32 bit) Utilimate, Business Edition Windows Y (32 bit) Professional Edition Intel Corei 7 2.6 8 fiz or higher 2 GB or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (Plug-in free viewer only) Safari Ver. 4.0 (Plug-in free viewer only)  PoE system (IEEE 802.3a Compliant), DC 12 V ± 10%, AC 24 V ± 20% 6.0 W max  1.0°C to +50°C (14°F to 122°F) 0°C to 50°C (32°F to 122°F) 0°C to 50°C (32°F to 122°F) 2.0°C to +60°C (44°F to +140°F) 2.0% to 95% 2.0% to 95% 2.0% to 95% 7.2 mm x 6.3 mm x 145 mm (2.7/8 inches x 2 1/2 inches x 5 3/4 inches) (without lens) 7.2 mm x 6.3 mm x 197 mm (2.7/8 x 2 1/2 x 7 7/8 inches) (with lens) Approx. 565 g (1 to 4 oz) (with lens) MICH Coll Collaboration (CB) MICH Collab
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Power Consumption Operating Iemperature Storage Iemperature Storage Iemperature Storage Iemperature Operating Iemperature Storage Humidity Dimensions (W x H x D)  Mass	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) Size (molase Tri (RJ-45)  22, 4V AC/DC, 1A (mechanical relay outputs electrically isolated from the camero) Mini jack (monaural) Size (monaural) Mini jack (monaural) Size (monaural) Mini jack (mo
Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Power Consumption Operating Imperature Storage Imperature Storage Iemperature Storage Iemperature Storage Iemperature Operating Humidity Dimensions (W x H x D)  Mass Safety Regulations	IEEE 802.1X **  BNC x1, 1, 0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SD Cord x1  Windows XP (32 bit) Professional Edition Windows XP (32 bit) Professional Edition Windows XP (32 bit) Professional Edition Windows Y (32 bit) Professional Edit
Number of Clients Authenticatoin Interface Analog Video Output Line Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System  Processor Memory Web Browser  General Power Requirements Power Consumption Operating Iemperature Storage Iemperature Storage Iemperature Storage Iemperature Operating Iemperature Storage Humidity Dimensions (W x H x D)  Mass	IEEE 802.1X **  BNC x1, 1.0 Vp-p, 75 Ω, unbolance, sync negative Mini jack (monoural) Z2 make contact, Rei-45) Z2 make contact, Rei-46) X2 make contact, Break contact X2, 24 V x0CQ, 1 x (mechanical relay outputs electrically isolated from the camera) Mini jack (monoural) SD Card X1  Windows XF (32 bit) Professional Edition Windows Vista (32 bit) Utilimate, Business Edition Windows Y (32/64 bit) Utilimate, Business Edition Windows Y (32/64 bit) Utilimate, Business Edition Windows Y (32/64 bit) Utilimate, Professional Edition Intel Corei 7 2 6 Bit 2 or higher 2 68 or more Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox Ver. 3.5 (Plug-in free viewer only) Google Chrome Ver. 4.0 (Plug-in free viewer only) Google Chrome Ver. 4.0 (Plug-in free viewer only) PoE system (IEEE 802.3af compilant), DC 12 V ± 10%, AC 24 V ± 20% 6.0 W mox10°C to +50°C (14°F to 122°F) -10°C to +50°C (32°F to 122°F) -20°C to +60°C (-4°F to +140°F) -20% to 80% -20% to 95% -20% to 95% -20% to 95% -20m x 63 mm x 197 mm (2 7/8 x 2 1/2 x 7 7/8 inches) (with lens)  JAIE Technical standard (LN) UL2044, IEC60950-1 (LB) VCCI (Class A), ICC (Class A) E HS50130-4 Emission: EN55022 (Class A) E HS50130-4 Emission: AS/NZS CISPR222 (Class A) -ENSON CARNON CILL (LISS COPRON CILL), Installation manual (1), Wire rope (1), Screw M4 (1), DC 12/AC 24V connector (1),
Number of Clients Authentication Interface Analog Video Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory Web Browser  General Power Requirements Power Requirements Operating Imput Storage Humidity Storage Humidity Storage Humidity Storage Humidity Storage Humidity Storage Humidity Mass Safety Regulations	IEEE 802.1X **  BNC x1, 1, 0 Vp-p, 75 Ω, unbalance, sync negative Mini jack (monaural) SD Cord x1  Windows XP (32 bit) Professional Edition Windows XP (32 bit) Professional Edition Windows XP (32 bit) Professional Edition Windows Y (32 bit) Professional Edit

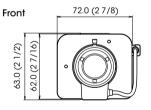
### SYSTEM CONFIGURATION



# **DIMENSIONS**

#### Side







Unit: mm (inches)

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<sup>\*1</sup> Triple streaming (any combination with JPEG/H.264, including multiple streams of the same format)
\*2 Monitor display ratio 4:3 \*3 Version 1.2 or later \*4 Version 1.3 or later \*5 Version 1.4 or later \*6 Default setting: OFF