Box-type 720p/30fps Camera Powered by IPELA ENGINE EX™ Technology

- Maximum resolution of 1280 x 1024 pixels with the Exmor[™] CMOS sensor
- Three simultaneous video streams
- Extremely Wide Dynamic Range to 130dB achieved with View-DR technology
- New video analytics functions including face detection and object removal/left behind
- H.264 (High/Main/Baseline Profile)/JPEG video codecs and AAC (16 kHz/48 kHz)/G.726/G.711 audio codecs
- Minimum illumination of 0.05 lx in Color and 0.04 lx in B/W (50 IRE @ 1/30 sec)

KEY FEATURES

- IPELA ENGINE EX signal processing system developed based on Sony's unique signal processing and video
- analytics technologies to provide unique features such as a View-DR, XDNR™, and DEPA™ Advanced technologies



 View-DR - Sony's innovative wide dynamic range technology
 to capture objects clearly and adaptively even under very harsh, severe backlight or highlight conditions



OFF



ON

- 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 Analytics to trigger an alarm based on user-defined rules



- SD memory card slot for an on-board recording capability¹
- Built-in HTML viewer compatible with most Smartphones



 XDNR (eXcellent Dynamic Noise Reduction) technology for clear images with virtually no motion blur under low illumination



OFF



ON

Actual Images

make.believe

- True D/N (Day/Night) function to switch to Day or Night mode depending on the light level
- Easy Focus allows installer/user to focus the camera remotely using a PC or locally
- \circ Powered by either PoE (IEEE 802.3af-compliant), AC 24 V ±20%, or DC 12 V ±10% for easy installation
- ONVIFTM (Open Network Video Interface Forum) Profile S conformance software that ensures greater interoperability and more flexibility in building multiple-vendor systems



- VBR (variable bitrate) or CBR (constant bitrate) encoding format selectable to correspond with various network conditions
- Easy initial network settings with supplied SNC Easy IP Setup Guide application
- Image Stabilizer to help minimize the effect of camera shake or vibration for less blurry images

¹ Data recorded on an SD memory card (sold separately) 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). The on-board recording function, the intelligent motion detectionfunction and the tamper alarm function cannot be used simultaneously.

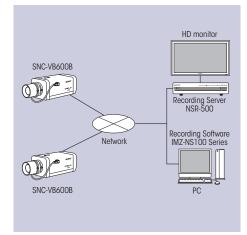


SPECIFICATIONS

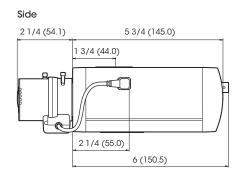
	SNC-VB600B
Camera	
Image Sensor	1/3-type progressive scan Exmor CMOS
Image Sensor (Number of Effective Pixels)	Approx. 1.37 Megapixels
Signal System Minimum Illumination (50 IRE)	NTSC color system Color: 0.05 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
Minimum Illumination (30 IRE)	B/W: 0.04 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps) Color: 0.03 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
	B/W: 0.02 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
Dynamic Range	Equivalent to 130 dB with View-DR technology
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 vapor lamp, Metal halide lamp, White LED, One push WB, Manua
Lens	CS mount varifocal lens
Zoom Ratio	Optical zoom 2.9x, Digital zoom 2x
Powered Focus	Yes (Easy Focus)
Horizontal Viewing Angle	100.0° to 35.7°
Vertical Viewing Angle	78.1° to 28.6°
Focal Length	f = 2.8 mm to 8.0 mm
-Number	F1.2 (Wide) to F1.95 (Tele)
Minimum Object Distance	300 mm
Iorizontal Resolution	600 TV lines (analog video) *2
Preset Position	8
our	5
Camera Features	
Day/Night	Yes
Vide-D	Yes (View-DR)
mage Enhancement	Visibility Enhancer (VE)
Voise Reduction	XDNR Technology
mage Stabilizer	Yes *4
mage	
Codec Image Size (H x V)	1280 x 1024, 1280 x 960, 1024 x 768, 1280 x 720, 800 x 600, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 352 x 288
	320 x 240 (H.264, JPEG)
/ideo Compression Format	H.264 (High/Main/Baseline Profile), JPEG
Codec Streaming Capability	Triple Streaming *1, CBR/VBR (selectable)
Maximum Frame Rate	H.264: 30 fps (1280 x 1024)
	JPEG: 30 fps (1280 x 1024)
Audio	0.711/0.704/040 /14 Jule 40 Jule
Audio Compression Format Scene Analytics	G.711/G.726/AAC (16 kHz, 48 kHz)
Intelligent Motion Detection	Mar
	Yes
Face Detection	Yes *3
Rule-based Filter	DEPA Advanced
Network	
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SMTP, IPv6 *3, HTTPS, SNMP (MIB-2)
ONVIF Conformance	Yes (Profile S) *3
Number of Clients	20
Authentication	IEEE 802.1X
Interface	
Interface Analog Video Output	BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative
nterface Analog Video Output .ine Input	Mini jack (monaural)
nterface Analog Video Output .ine Input .ine Output	Mini jack (monaural) Mini jack (monaural), Maximum output level: 1 Vrms
nterface Analog Video Output ine Input ine Output Vetwork Port	Mini jack (monaural) Mini jack (monaural), Maximum output level: 1 Vrms 108ASE-T/1 00BASE-TX (RJ-45)
nterface Analog Video Output ine Input ine Output Gework Port Sensor Input	Mini jack (monaural) Mini jack (monaural), Miximum output level: 1 Vrms 10BASE-T/100BASE-TX (RJ-45) x 2, make contact, break contact
nterface nalog Video Output ine Input ine Output Velwork Port Sensor Input Jarm Output	Mini jack (monaural) Mini jack (monaural), Maximum output level: 1 Vrms 10BASE-T/100BASE-TX (RJ-45) x 2, make contact, break contact x 2, 24 VACDC, 1 A (mechanical relay outputs electrically isolated from the camera)
nterface vnalog Video Output ine Input line Output Velwork Port Sensor Input Narm Output Narm Output Microphone Input	Mini jack (monaural) Mini jack (monaural), Maximum output level: 1 Vrms 108ASE-17 (100BASE-TX (RJ-45) x 2, make contact, break contact x 2, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural)
Interface Analog Video Output Line Input Vetwork Port Sensor Input Varm Output Vicrophone Input Zard Slats	Mini jack (monaural) Mini jack (monaural), Maximum output level: 1 Virns 10BASE-T/100BASE-TX (RJ-45) x 2, make contact, break contact x 2, 24 VACDC, 1 A (mechanical relay outputs electrically isolated from the camera)
Interface Analog Video Output Line Output Network Port Sensor Input Alorm Output Microphone Input Card Siols System Requirements	Mini jack (monaural) Mini jack (monaural). Maximum output level: 1 Vrms 106ASE-I7 (100ASE-TX (RJ-45) x 2, make contact, break contact x 2, 24 VAC/Dc. 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x 1
Interface Analog Video Output Line (hout Line Output Velwork Port Sensor Input Microphone Input Zard Silots System Requirements	Mini jack (monaural) Mini jack (monaural), Moximum output level: 1 Vrms DIBASE-T/ 100BASE-TX (RJ-45) x 2. make contact, break contact x 2, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x 1 Windows® XP (32 bit) Professional Edition
Interface Analog Video Output Line (hout Line Output Velwork Port Sensor Input Microphone Input Zard Silots System Requirements	Mini jack (monaural) Moximum output level: 1 Vrms DIBASE-T1 (100BASE-TX (RJ-45) X 2. make contact, break contact X 2. 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x 1 Windows® XP (32 bit) Professional Edition
nterface vnalog Video Output ine Input line Output Velwork Port Sensor Input Jarm Output Vicrophone Input Zard Slots System Requirements System	Mini jack (monoural) Mini jack (monoural), Maximum output level: 1 Vrms DBASE-T/ 100BASE-TX (RJ-45) X 2, moke contect, break contect X 2, 24 V AC/DC. 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monoural) SD Card x 1 Windows [®] XP (32 bit) Professional Edition Windows Vistb [®] (22 bit) Professional Edition Windows Vistb [®] (22 bit) Difficute, Business Edition Windows Vistb [®] (22 bit) Difficute, Professional Edition
Interface Analog Video Output Line Input Setwork Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor	Mini jack (monaural) Mini jack (monaural). Mini jack (monaural). Maximum output level: 1 Virms 10BASE-T/100BASE-TX (RJ-45) x 2, make contact, break contact x 2, 24 X-QCD, 1 A (mechanical relay outputs electrically isolated from the camera) XII jack (monaural) SD Card x 1 Windows Visto [®] (X2 bit) Professional Edition Windows Visto [®] (X2 bit) Ultimate, Business Edition Windows Visto [®] (X2 bit) Ultimate, Professional Edition Windows Visto [®] (X2 bit) Ultimate, Professional Edition Intel Care i7 Z 8 OHz or higher
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Interface Analog Video Output Inie Input Video Uutput Viework Port Sensor Input Viarm Output Viarm Output Viarm Output Viarophone Input Ord Siols System Requirements Operating System Processor Viemory Viard Via	Mini jack (monourd) Mini jack (monourd). DidASE-[71 (00ASE-TX (RJ-45) x 2, moke contact, break contact x 2, 24 x AC/DC. 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monourd) SD Card x 1 Windows [®] XP (32 bit) Professional Edition Windows Viste [®] (32 bit) Ultimate, Business Edition Windows 7 (32/d4 bit) Ultimate, Professional Edition Intel Core i7 2.8 GHz or higher 2 G8 or more Microsoft Internet Explorer [®] Ver. 7.0, Ver. 8.0, Ver. 9.0 Frietox [®] Ver. 35 (Plug-in free viewer only)
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nterface vinalog Video Output vinalog Video Output vine Output Video Output Viework Port Video V	Mini jack (monaural) Mini jack (monaural), Maximum output level: 1 Vrms 106ASE-I7 (100BASE-TX (RJ-45) x 2, moke contact, break contact x 2, 24 VAC/DC. 1 A (mechanical relay outputs electrically isolated from the camera) Mini jack (monaural) SD Card x 1 Windows [®] XP (32 bit) Professional Edition Windows 7 (32 bit) Ultimate, Business Edition Windows 7 (32 bit) Ultimate, Professional Edition Untel Core i7 2.8 GHz or higher 2 GB or more Microsoft Internet Explore® Ver. 7.0, Ver. 8.0, Ver. 9.0 Frietor [®] Ver. 3.5 (Plug-in free viewer only) Google Chrome® Ver. 4.0 (Plug-in free viewer only)
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nterface inalog Video Output ine Input ine Input Viework Port Viework	Mini jack (monourd) Mini jack (monourd), Maximum output level: 1 Vrms DBASE-T/ (00BASE-TX (RJ-45) x 2, moke contact, break contact x 2, 24 VAC/DC. 14 (mechanical relay outputs electrically isolated from the camera) Mini jack (monaurat) SD Card x 1 Windows [®] XP (32 bit) Professional Edition Windows 7 (32/64 bit) Ultimate, Business Edition Windows 7 (32/64 bit) Ultimate, Professional Edition Windows 7 (32/64 bit) Ultimate, Professional Edition Firefac% Wer 3.5 (Plug-in free viewer only) Gorgie Chrome *Ver. 4.0 (Plug-in free viewer only) Gorgie Chrome *Ver. 4.0 (Plug-in free viewer only) PoE system (IEEE 802.3 and compliant), DC 12 V ± 10%, AC 24 V ± 20% 6.0 W max. 14% To 122% F (0°C to 50°C) -4% To 140% F (20°C to +60°C)
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nterface inalog Video Output inal lagut lage Nideo Output lane Input letwork Port l	Mini jack (monourd). Mini jack (monourd). Mini jack (monourd). DBASE-I7 (00BASE-TX (RJ-45) x 2, div ACDO. IA (mechanical relay outputs electrically isolated from the camera). X 2, 24 VACDO. IA (mechanical relay outputs electrically isolated from the camera). Mini jack (monoural). SD Card x 1 Windows % YP (32 bit) Professional Edition Windows Y (32/64 bit) Ultimate, Business Edition Windows 7 (32/64 bit) Ultimate, Professional Edition Windows 7 (32/64 bit) Ultimate, Professional Edition Filed Core 17 2.8 GHz or higher 2 GB or more Microsoft Internet Explorer® Ver. 7.0. Ver. 8.0, Ver. 9.0 Filterds ® Ver. 3.5 (Plug-in free viewer only) Socget Chrome® Ver. 4.0 (Plug-in free viewer only) Goog Chrome® Ver. 4.0 (Plug-in free viewer only) Goog Chrome® Ver. 4.0 (Plug-in free viewer only) PoE system (IEEE 802.3 ad compliant), DC 12 V ± 10%, AC 24 V ± 20% 6.0 W max. 14% Fo 122°F (10°C to 450°C) 24% Ft to ±140°F (-20°C to ±60°C) 29% Fo 162°F 00°C 150 29% Fo 162°F 00°C 150
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Interface Analog Video Output Inie Input Analog Video Output Inie Output Network Port Sensor Input Microphone Input Card Silots System Requirements Operating System Processor Wemory Web Browser General Power Requirements Power Consumption Operating Temperature Storage Emperature Operating Humidity Dimensions (W x H x D)	Mini jack (monourd) Mini jack (monourd). Mini jack (monourd). Mini jack (monourd). DBASE-I7 (00BASE-TX (RJ-45) x 2, moke contact, break contact x 2, 24 x AC/DC, 14 (mechanical relay outputs electrically isolated from the camera) Mini jack (monourd) SD Card x 1 Windows Vista ⁶ (32 bit) Professional Edition Windows Vista ⁶ (32 bit) Ultimate, Business Edition Windows Vista ⁶ (32 bit) Ultimate, Business Edition Windows Vista ⁶ (32 bit) Ultimate, Professional Edition Intel Care I7 2.8 GHz or higher 2 GB or more Microsoft Internet Explorer [®] Ver. 7.0, Ver. 8.0, Ver. 9.0 Firefox ⁹ Ver. 3.5 (Plug-in free viewer only) Sodarf Ver. 4.0 (Plug-in free viewer only) Sodarf Ver. 4.0 (Plug-in free viewer only) PoE system (IEEE 802.3 and compliant), DC 12 V ± 10%, AC 24 V ± 20% 6.0 W mox. 14 ^{or} to 122 ^{or} (10 ^{or} Ch ±50 ^{or} C) 32 ^{or} to 122 ^{or} (0 ^{or} to ±50 ^{or} C) 32 ^{or} to 122 ^{or} (0 ^{or} to ±60 ^{or} C) 32 ^{or} to 124 ^{or} (0 ^{or} to ±60 ^{or} C) 32 ^{or} to 125 ^{or} (0 ^{or} to ±50 ^{or} C) 32 ^{or} to 169% 2 7/8 10.0 ^{or} X 7 7/8 inches x 5 3/4 inches (72 mm x 63 mm x 145 mm) (without lens) 2 7/8 x 2 1/2 inches x 5 3/4 inches (72 mm x 63 mm x 145 mm) (without lens)
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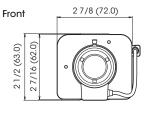
*2 Monitor display ratio 4:3 *3 Version 1.4 or later *4 Default setting: OFF

SYSTEM CONFIGURATION



DIMENSIONS





Rear



Unit: inches (mm)

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