

SONY

GB 7! K F * \$&7

B Yhk cf_ 'F Ud]X '8ca Y '< 8 '7Ua YfU! 'K 'GYf]Yg

Outdoor Unitized 720p/60 fps Rapid Dome Camera Powered by IPELA ENGINE PRO™



IPELA

b'A U] ja i a 'fygc'i h]cb'cZ%&, \$' '+&\$'d] Y'g'k]h' h'Y'9! a cf; '7A CG'gYbgcf
b'Dck YfZ ' ' \$! 'cdh]W' 'ncca 'WdUV']]mi
b'8mbUa]WfUb [Y Yei] j UYbhtc % \$ X6]b < 8 'a cXY UWX]Y YX k]h' J]Yk !8F 'h'Y'W'bc'c [mb'
b'Xi g'f'm' YUX]b ['Y j Y'g'cZdUbb]b ['dYfZcfa UbW' k]h' U'dUb'gdYXX'cZ+\$\$&#
b'; nfcgVtd]W-a U [Y'GHUV']]nYf
b': cW' D'UbY'8]g'c'fh]cb'7c'ffYV]cb' h'Y'W'bc'c [m
b'8YZc ['a U [Y DfcW'gg]b ['ZYU h' fY
b'<] [\ 'ZUa Y' fUH'c'Z* \$ 'ZUa Y'g'dYf'gYVtd'bx' fZdg'
b'?'%\$! fUH'X'j UbXU! fYg]gh'bh'UbX '-d* *! fUH'X'k U'h'f' fYg]gh'Ubh'X'i gh'h] [\h'ZYU h' fYg

?9M: 95H F9G

i GCBM -D9@5'9B; -B'9'9L!
fj]Yk !8F£
fL8BF£ fB9D5'5Xj UbWX£

i ' \$

i GCBM fj]Yk !8F£



C::



CB

5Vh U'a U[Yg



C::



CB

5Vh U'a U[Yg

i
i 7A CG

i fB9D5'5Xj UbWX£

i GCBM fj]g]V']]m'9b\UbWf£

i GCBM fL8BF£ *\$Zdg

i <] [\ 'ZUa Y' fUH'c'Z* \$ 'Zdg'hc' d'fc]]XY' ga cch'Yf' UbX' 'Ygg' V'i f'fm
a'c]]b ['d]Vh' fYg

i -d* *

i 'Hfi Y'8#B' fBUn#B [\h'e'Z' bV]cb'hc'gk]h'W'hc'8Umcf'B [\h'a cXY'
XYdYbX]b ['cb'h'Y'] [\h'Y' Y'

i 'J'6F'fj UV'Y'V]fUH'Y'WdUV'Y'cZa U] ja i a 'V]fUH'Y'gYh]b ['cf'76F'
fVtd'bg]Ubh' V]fUH'Y'V' Wtd'fYgg]cb' a cXY' g'Y'VWUV'Y'hc' Vtd'ffYgd'cbX'
k]h' j Uf]ci' g'bYhk cf_ 'Vtd'bx]h]cbg

i '9X [Y'G'rcFU [Y'Z' bV]cb'hc' fYVtd'fX j]XYc' UbX'Ui X]c'XUH'k]h' Ub'
G8#G8 < 7 WdFX' UhtUWX'YX'hc' h'Y' Wla YfU

i '9Ugm]b]h]U' bYhk cf_ 'gYh]b [gVmg] dd']YX' GB 7' 9Ugm-d'GYh' d; i]XY'
Udd']W]h]cb

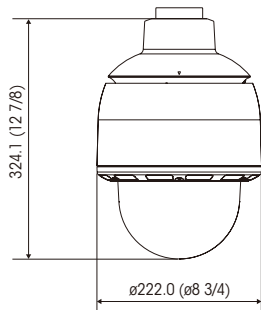
i 'Ga Uf'rd\cbY' j]Yk Yf'hc' X]gd'Um' Ub']a U [Y'cZ' h'Y' Wla YfU' cb' h'Y'
ga Uf'rd\cbY' g' gV'Y'Yb' UbX' Vtd'bf'c' h'Y' Wla YfU' g' d'UbZ' h]h' UbX'
ncca 'Z' bV]cbg]Vmg]a d'Y'hc' W!d'UbY' 'a Ub]di 'Uh]cb

i 'CBJ' = 'f'c'dYb' B'Yhk cf_ 'J]XYc' b'h'f'Z'J'W' : cfi a' E' D'fcZ'Y' G'
Vtd'bc'fa UbW' Z'f'a k UfY' h'U'h' Ybg] fYg [fYUH'f']b'h'f'cd'YfUV']]mi UbX'
a cFY'ZYI]V']]m]b' Vi]X]b ['a i 'h] j YbXcf' g'gh'Y'a g

SPECIFICATIONS

SNC-WR602C	
Camera	
Image Sensor	1/3-type progressive scan Exmor CMOS sensor
Number of Effective Pixels	Approx. 1.37 Megapixels
Signal System	NTSC/PAL (switchable)
Sync System	Internal synchronization
Minimum Illumination (50 IRE)	Color: 0.2 lx (F1.6, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps) B/W: 0.015 lx (F1.6, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
Minimum Illumination (30 IRE)	Color: 0.12 lx (F1.6, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps) B/W: 0.009 lx (F1.6, 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 (Gain 0 dB)	More than 50 dB
Gain	Auto/Manual
Shutter Speed	1/1 s to 1/10,000 s
Exposure Control	Full auto, Shutter priority, Iris priority, Manual
White Balance	ATW, ATW PRO, Indoor, Outdoor, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual
Lens	
Powered Zoom	Yes
Zoom ratio	Optical zoom 30x Digital zoom 12x Total zoom 360x
Powered Focus	Yes
Auto Focus	Yes
Horizontal Viewing Angle	58.3° to 2.1°
Vertical Viewing Angle	34.8° to 1.2°
Focal Length	f = 4.3 mm to 129.0 mm
F-Number	F1.6 (Wide) to F4.7 (Tele)
Minimum Object Distance	300 mm
Pan/Tilt Angle (Powered)	360° endless rotation/220°
Pan Speed	700°/s (max.)*1
Tilt Speed	700°/s (max.)*1
Number of Preset Positions	256
Number of Four Programs	5
Camera Features	
Day/Night	True D/N
Wide-D	View-DR
Tone Correction	Visibility Enhancer (VE)
Defog Image Processing	Yes
Highlight Compensation	Yes
Noise Reduction	XDNR
Image Stabilizer	Gyroscopic Image Stabilizer
Picture Mode	Yes
Privacy Masking (number)	12
Privacy Masking (shape)	Quadrangle
Privacy Masking (color/effect)	Opaque: 14 colors (Black, White, Red, Green, Blue, Cyan, Yellow, Magenta, Gray (6 scales)), Mosaic
Edge Storage	Yes
Voice Alert	Yes
Vandal Resistant	IK10
Ingress Protection	IP66
Superimpose Number	3 independent positions for characters (Codec, Date & Time, Event, Direction, Text (max. 64 characters)), 1 independent position for logo marks
Superimpose Language	English
Menu Language	English, Japanese, Chinese (simplified), Chinese (traditional), French, Spanish, German, Italian, Korean, Portuguese, Russian, Arabic, Hindi, Vietnamese, Thai, Turkish, Polish
Smartphone viewer	Yes
Video	
Resolution	1280 x 720, 1024 x 576, 720 x 576, 704 x 576, 720 x 480, 640 x 480, 640 x 360, 352 x 288, 320 x 184, (H.264, JPEG)
Compression Format	H.264 (High/Main/Baseline Profile), JPEG
Maximum Frame Rate	H.264: 60 fps (1280 x 720) JPEG: 60 fps (1280 x 720)
Bitrate Compression Mode	CBR/VBR (selectable)
Range of Bitrate Setting	64 Kbps to 32 Mbps
Adaptive Rate Control	H.264
Multi Streaming Capability	Triple streaming
Number of Clients	20
Intelligent Video Analytics	
Analytics Architecture	DEPA Advanced
Intelligent Motion Detection	Yes
Face Detection	Yes
Tamper Alarm	Yes
Scene Analytics	Passing, Intrusion, Left Object Detection, Removed Object Detection
Audio	
Compression Format	G.711/G.726/AAC (16 kHz, 48 kHz)

DIMENSIONS



Unit: mm (inches)

System Requirements	
Operating System	Windows XP (32 bit) Professional Edition Windows Vista (32 bit) Ultimate, Business Edition Windows 7 (32/64 bit) Ultimate, Professional Edition Windows 8 Pro (32/64 bit), Windows 8.1 Pro (32/64 bit)
Processor	Intel Core i7 2.8 GHz or higher
Memory	2 GB or more
Web Browser	Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10.0, Ver. 11.0 Firefox Ver. 19.02 (plug-in free viewer only) Safari Ver. 5.1 (plug-in free viewer only) Google Chrome Ver. 25.0 (plug-in free viewer only)
Network	
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP*, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, RTSP over HTTP, IPv6, HTTPS, SNMP (v1, v2c, v3), FTP (client only), SSL
QoS	DSCP
Multicast Streaming Support	Yes
ONVIF Conformance	Profile S
Authentication	IEEE 802.1X
Interface	
Analog Video Output	BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative
Microphone Input	Mini jack (monaural), MIC IN/LINE IN: 2.5 V DC plug-in power
Line Input	Mini jack (monaural)
Line Output	Mini jack (monaural), Maximum output level: 1 Vrms
Network Port	10BASE-T/100BASE-TX (RJ-45)
Alarm Input (Sensor Input)	x4, make contact, break contact
Alarm Output	x2, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera)
Serial Interface	RS-422/RS-485 (PELCO D protocol)
Card Slots	SD Card x 1
Confirmed SD Card Type	Max. 64 GB
General	
Power Requirements	HPoE+ system**3, AC 24 V
Power Consumption	Max. 30.0 W (AC 24 V/HPoE+, heater OFF)*3 Max. 80.0 W (AC 24 V, heater ON) Max. 55.0 W (HPoE+, heater ON)*3
Operating Temperature	-40°C to +50°C (-40°F to +122°F) (AC 24 V) -30°C to +50°C (-22°F to +122°F) (HPoE+)*3
Cold Start Temperature	-40°C to +50°C (-40°F to +122°F) (AC 24 V) -30°C to +50°C (-22°F to +122°F) (HPoE+)*3
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Operating Humidity	20% to 80%
Storage Humidity	20% to 95%
Built-in Heater	Yes
Dimensions (W x H x D)**4	222.0 mm x 324.1 mm (ø8 3/4 inches x 12 7/8 inches)
Mass	Approx. 4.1 kg (9 lb 0.6 oz)
External Material	
Dome cover: PC	
Top sunshade: PC	
Coupling: ADC12	
Top cabinet: ADC12	
Sun shade: PC	
Dome flange: ADC12	
External Color	
Top sunshade: 6.4GY 8.0/0.3	
Coupling: 3.6GY 8.4/0.3	
Top cabinet: 3.6GY 8.4/0.3	
Sun shade: 6.4GY 8.0/0.3	
Dome flange: 3.6GY 8.4/0.3	
Safety Regulations	
JATE Technical Standard (LAN)	UL2044, IEC60950-1 (CB)
VCCI (Class A), FCC (Class A), IC (Class A)	
Emission: EN55022 (Class A) + EN50130-4	
Immunity: EN55022 (Class A) + EN55024	
Emission: AS/NZS CISPR22 (Class A)	
KCC	
Supplied Accessories	
CD-ROM (supplied programs) (1)	
Installation Manual (1)	
Dome cover (1)	
Top sunshade (1)	
Coupling (1)	
Wire-fixing belt (1)	
Wire bracket (1)	
Bolts (2)	
Power supply connector 3-pin (1)	
I/O harness 14-pin (1)	
Harness band (1)	
Band mount (1)	
Connection cord (with BNC) (1)	
Optional Accessories	
YT-LDR632S (Dome Cover Smoked)	

*1 Available when the preset mode is ON.

*2 SSM (Source Specific Multicast) is supported.

*3 Power supply is generated from PowerD sine® 9501G/B by using 4 wires.

*4 The values for dimensions are approximate.

©2014 Sony Corporation. All rights reserved.

Reproduction in whole or in part without permission is prohibited.

Features and specifications are available for firmware version 2.3 or later and subject change without notice.

The values for mass and dimension are approximate.

SONY, IPELA, IPELA ENGINE PRO and Exmor are trademarks of Sony Corporation.

All other trademarks are the property of their respective owners.

Distributed by