

## VCC-HD4600P

Quad-Stream **DAY NIGHT** 10x Auto Focus Zoom



## Full HD Zoom Camera

- Built-in 10x AF megapixel-rated lens (6.3–63 mm)
- 1,080p Full HD, 25 ips full framerate with H.264
- 4 megapixel (2,288 x 1,712) resolution with MJPEG
- Exclusive Xacti HD-Pro Engine and Optimum IP-Pro Engine (Twin Engine)
- Quad-Stream
- HDMI output
- Video analytics
- Local recording on SD memory card and external HDD
- Digital PTZ and image stabilization
- Bidirectional audio
- Universal power input PoE, 24 V AC and 12 V DC
- 4 years warranty on cameras (1 year on movable parts)

## VCC-HD4600P

TECHNICAL DATA		VCC-HD4600P
Image sensor		1/2.5" progressive scan CMOS
Number of pixels		Effective 16 : 9, 1,920 (H) x 1,080 (V) 4 : 3, 2,288 (H) x 1,712 (V)
Minimum illumination (approx.)		Color 2.0 lux (F 1.8, GAIN MAX), B/W 0.1 lux (F 1.8, GAIN MAX)
Video S/N ratio		More than 50 dB (AGC off)
Lens		10x optical zoom, 16x digital zoom f = 6.3 to 63 mm, F 1.8 to 2.5
View angle*	Horizontal	(16 : 9) 5.5–50.6 degree; (4 : 3) 5.2–48.7 degree
	Vertical	(16 : 9) 3.1–29.3 degree; (4 : 3) 3.9–37 degree
	Diagonal	(16 : 9) 6.2–57 degree; (4 : 3) 6.5–58.8 degree
Auto focus		Auto/Manual/One-Push
Backlight compensation		Multi/Center/Face/Off; Mask settings possible
White balance		ATW/AWC/MWB/Outdoor/Indoor/Fluorescent Adjustable R and B signals in MWB mode
AGC		Normal/Middle/High/Off Adjustable, gain control in off mode
Electronic shutter		1/25, 1/50, 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000; long shutter: x1, x2, x4, x8, x16, x32
Electronic iris		On/Off
Gamma		0.45/1, other settings available
Aperture compensation		On/Off
Day/night		True Day/Night with IR cut filter
DNR		Yes, 3D
Title		16 characters
Motion detection		Yes, video analytics
Face detection		Yes
Privacy mask		On/Off
Cropping function		Yes

Network	
Image compression	MJPEG/H.264
Resolution	MJPEG (16 : 9) 1,920 x 1,080/1,280 x 720/1,024 x 576/640 x 360 (4 : 3) 2,288 x 1,712/1,600 x 1,200/1,280 x 960/1,024 x 768/800 x 600/640 x 480/320 x 240 H.264 (16 : 9) 1,920 x 1,080/1,280 x 720/640 x 360/320 x 180 (4 : 3) 1,600 x 1,200/1,280 x 960/1,024 x 768/640 x 480/320 x 240
Picture quality	5 levels (BASIC, NORMAL, ENHANCED, FINE, SUPER FINE); Bitrate: changeable
Frame rate	Max. 25 ips (1,920 x 1,080)
Video streaming	Multi stream H.264 and MJPEG (max. 1,920 x 1,080; 25 ips)
Audio compression method	G.711, bidirectional (full duplex)
Protocol	TCP/IP, UDP, HTTP, HTTPS, SMTP, NTP, DHCP, FTP, DDNS, RTP, RTSP
Simultaneous access capacity	Max. 20
Security	BASIC authentication (ID/password), SSL supported (image only), IP filtering

Interface	
Video output	Composite out (for adjustment only), HDMI (mini type)
SD card slot	1 (SDHC)**
Network port	10 BASE-T/100 BASE-TX (RJ45 connector)
Alarm input/output	2/2
Audio input/output	Mic in/Line out (ø 3.5 mm mini jack)
USB port	For dedicated HDD case only***

General		
Environmental conditions	Operating	-10 to +50 °C; within 90% RH
	Storage	-20 to +70 °C; within 70% RH
Power supply		24 V AC ±10%, 60 Hz/12–15 V DC, PoE (IEEE802.3af)
Power consumption (approx.)		12.3 W (PoE), 15.0 W (12 V DC/24 V AC)
Dimensions (approx.)		62.8 x 64.2 x 114.7 mm
Weight (approx.)		420 g

\* up to 66° (4 : 3) with optional wide conversion lens

\*\* Please use SANYO recommended SD card

\*\*\* Please use SANYO recommended HDD

