

# Specification

## Camera Head

	GP-HE23CX0-0F	GP-HE43CX0-0F
Image Sensor	1/3 type 2K sensor (Visible)	1/3 type 4K sensor (Visible)
Scanning Method	Progressive Scan, Rolling Shutter	Progressive Scan, Rolling Shutter
Resolution	900 TV lines Typ.	1,800 TV lines Typ.
Sensitivity	F8 (2000lx, 3200K, Head Gain 9dB)	F8 (2000lx, 3200K, Head Gain 9dB)
Frame Rate	59.94 / 50 fps	29.97 / 25 fps
S/N Ratio	54 dB (Gain Off, Head Gain Off)	54 dB (Gain Off, Head Gain Off)
Lens Mount	C-mount	C-mount
Operating Temperature Ta *1	Ta: 0 °C to 40 °C (32 °F to 104 °F)	Ta: 0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	30 % to 90 % (without condensation)	30 % to 90 % (without condensation)
Dimension	28mm(w) x 27mm(H) x 22.9mm(D)	28mm(w) x 27mm(H) x 22.9mm(D)
Weight	Approx. 48 g	Approx. 48 g
Optical Filter	IR Cut Filter (removable)	IR Cut Filter (removable)
Included Items	IMPORTANT SAFETY INSTRUCTIONS, Warranty (Japan)	IMPORTANT SAFETY INSTRUCTIONS, Warranty (Japan)
Camera Cable	GP-UC532G02A (2m), GP-UC532G03A (3m), GP-UC532G04A (4m), GP-UC532G06A (6m)	GP-UC532G02A (2m), GP-UC532G03A (3m), GP-UC532G04A (4m), GP-UC532G06A (6m)

\*1: Ta: Ambient Temperature

## CCU

	GP-CE13X00-0B
Camera Head to be connected	GP-HE43CX0 series, GP-HE23CX0 series
HDMI	HDMI ( 4K / Full HD )
Video Output / HDMI	3840x2160p (29.97Hz/25Hz), 1920x1080p (29.97Hz/25Hz/59.94Hz/50Hz) *1/ 1920x1080p (59.94Hz/50Hz) *2 *1 GP-HE43C is connected. Even when 1920x1080p (59.94Hz/50Hz) is selected, picture refresh rate is 29.97Hz/25Hz *2 GP-HE23C is connected.
Foot SW	ø3.5 mm stereo mini jack (two inputs)
External Control	ø3.5 mm stereo mini jack (3-poles serial, RS232C signal compliant)
USB	USB2.0 (video storage)
Network	10BASE-T/100BASE-TX, RJ45 Connector
Protocol:	IPv6 and IPv4 encryption available
Equipotential Terminal	Yes
Power source and consumption	12VDC: 930mA (including camera head, USB power supply)
Power source voltage range	12VDC +1.2V / -1.2V
Operating Temperature Ta *1	Ta: 0 °C to 40 °C (32 °F to 104 °F)
Specification Assured Temperature Ta *1	Ta: 10 °C to 35 °C (50 °F to 95 °F)
Operating Humidity	30 % to 90 % (without condensation)
Storage Temperature Ta*1	Ta: -10 °C to 60 °C (14 °F to 140 °F)
Storage Humidity	30 % to 90 % (without condensation)
Dimension	120mm(W) x 36mm(H) x 157mm(D)
Weight	Approx. 680 g
Finish	Metal plate/ABS, white
Included Items	IMPORTANT SAFETY INSTRUCTIONS, Warranty (Japan), Cable ties
Safety Standards	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, UKCA, IEC62368-1, J62368-1
EMC Standards	VCCI (Class A), FCC (Part15B Class A), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035
Auto Exposure	Manual / Auto (Area setting, Peak/Average setting)
Shutter	Off / Auto / Manual
Gain	Off / Auto / Manual (Max. 39dB)
Long Exposure	Off / Auto
White Balance	WB / Manual
Detail Enhancement	Band: Off / Soft / Sharp / Medium Sharp / SharpestLevel: 0 - 31
DNR	Off / 1 - 16 selectable
Color Level	Yes
Matrix color adjustment	Color Phase
Gamma	Black Stretch, Contrast Level, Highlight Stretch
Pedestal	Yes
Image Enhancement	WDR / Smoke Correction / Color Enhancement / Back Light compensation
Flip / Mirror	Yes
Digital Zoom	1x - 2.5x
Freeze	Yes
User Profile	4 Profiles
Profile ID / Profile Label Display	Yes
Color Bar	Yes
Synchronization	Internal
OSD (On Screen Display)	Yes
Resolution H.265/ H.264/ JPEG (MJPEG)	GP-HE43CX0 is connected. [16:9 mode (30 fps mode)], [16:9 mode (25 fps mode)] :3840x2160, 2560x1440, 1920x1080, 1280x720, 640x360, 320x180 GP-HE23CX0 is connected [16:9 mode (60 fps mode)], [16:9 mode (30 fps mode)], [16:9 mode (50 fps mode)], [16:9 mode (25 fps mode)] 1920x1080 / 1280x720 / 640x360 / 320x180
Frame Rate	1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 1 / 3.1 / 4.2 / 6.25 / 8.3 / 12.5 / 20 / 25 / 50 fps
Bit Rate / Client	64 kbps / 128 kbps / 256 kbps / 384 kbps / 512 kbps / 768 kbps / 1024 kbps / 1536 kbps / 2048 kbps / 3072 kbps / 4096 kbps / 6144 kbps / 8192 kbps / 10240 kbps / 12288 kbps / 14336 kbps / 16384 kbps / 20480 kbps / 24576 kbps * Selection will be limited based on the resolution.
Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
Transmission Type	Unicast port (AUTO) / Unicast port (MANUAL) / Multicast
JPEG - Image Quality	10 steps
Bandwidth control:	Unlimited / 64 kbps / 128 kbps / 256 kbps / 384 kbps / 512 kbps / 768 kbps / 1024 kbps / 2048 kbps / 4096 kbps / 6144 kbps / 8192 kbps / 10240 kbps / 15360 kbps / 20480 kbps / 25600 kbps / 30720 kbps / 35840 kbps / 40960 kbps / 51200 kbps
Protocol:	IPv6 : TCP / IP, UDP / IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, LLDP, SFTP, MQTT IPv4 : TCP / IP, UDP / IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCP, RTSP, RTP, RTP / RTCP, DDNS, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, SFTP, MQTT IPv6 and IPv4 encryption available
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Browser*3:	Microsoft Edge/Google Chrome/Firefox
Mobile terminal/Tablet terminal compatibility:	iPad, iPhone, Android™ terminals