



IP NETWORK VIDEO RECORDERS

CHIPREC1 / CHIPREC2 / CHIPREC3 / CHIPREC4

Data Sheet

4K ULTRA HD POE NVRS



CHIPREC1



CHIPREC2



CHIPREC3



CHIPREC4

FEATURES

- 4K Megapixel recording - requires 8MP cameras (sold separately)
- Power over Ethernet
- HDMI & VGA Outputs
- AI Features inc. face identification
- H.265 / H.264 video compression
- 3 year warranty





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PART CODE	CHIPREC1	CHIPREC2	CHIPREC3	CHIPREC4
Input Bandwidth	320M	320M	320M	640M
Output Bandwidth	320M	320M	320M	640M
Performance				
Recording Resolution	12MP /8MP /5MP /4MP /3MP /1080p /720p	12MP /8MP /5MP /4MP /3MP /1080p /720p	12MP /8MP /5MP /4MP /3MP /1080p /720p	12MP,8MP,5MP, 3MP ,2MP (1080P),1.3MP(960P),1.0MP(720P)
Recording Compression	Audio: G.711a Video : H.264/H.264+/ H.265/H.265+	Audio: G.711a Video : H.264/H.264+/ H.265/H.265+	Audio: G.711A/ G.711U Video : H.264/H.265/ H.264+/H.265+	Audio: G.711A/G.711U Video : H.264/ H.265, H.264+/H.265+
Speed	4K:120fps 4MP:240fps 2MP:480fps	4K:120fps 4MP:240fps 2MP:480fps	12MP:30fps 8MP:120fps 4MP:240fps 2MP:480fps	4K:240fps 4MP:480fps 2MP:960fps
Playback	1080P:480fps Max 4CH	1080P:480fps Max 8CH	1080P:480fps Max 16CH	Max 16CH playback
Playback function	Fast forward / backward (2x, 4x, 8x,16x)	Fast forward / backward (2x, 4x, 8x,16x)	Fast forward / backward (2x, 4x, 8x,16x)	Fast forward / backward (2x, 4x, 8x,16x)
	Slow forward (1/2x, 1/4x, 1/8x,1/16x)	Slow forward (1/2x, 1/4x, 1/8x,1/16x)	Slow forward (1/2x, 1/4x, 1/8x,1/16x)	Slow forward (1/2x, 1/4x, 1/8x,1/16x)
Event	MD(Sensitivity Level 1-8)	MD(Sensitivity Level 1-8)	MD(Sensitivity Level 1-8)	MD(Sensitivity Level 1-8)
	Videlo loss	Videlo loss	Videlo loss	Videlo loss
	Beep, Email, Push notification to Mobile APP	Beep, Email, Push notification to Mobile APP	Beep, Email, Push notification to Mobile APP	Beep, Email, Push notification to Mobile APP
Protocols	RTSP, SNMP, DDNS, HTTP/HTTPS, TCP, UDP, FTP, MQTT, HLS, SMTP, UPNP	RTSP, SNMP, DDNS, HTTP/ HTTPS, TCP, UDP, FTP, MQTT, HLS, SMTP, UPNP	RTSP, SNMP, DDNS, HTTP/ HTTPS, TCP, UDP, FTP, MQTT, HLS, SMTP, UPNP	RTSP, SNMP, DDNS, HTTP/ HTTPS, TCP, UDP, FTP, MQTT, HLS, SMTP, UPNP
API	RS API/Onvif (profile S/G/T)	RS API/Onvif (profile S/G/T)	RS API/Onvif (profile S/G/T)	RS API/Onvif (profile S/G/T)
Voice command	Home Device : Google Assistant, Amazon Alexa	Home Device : Google Assistant, Amazon Alexa	Home Device : Google Assistant, Amazon Alexa	Home Device : Google Assistant, Amazon Alexa
Fisheye	Support	Support	Support	Support
Local	UI5.0	UI5.0	UI5.0	UI5.0
WEB	IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above	IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above	IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above	IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above
Mobile viewer	Rxcamview	Rxcamview	Rxcamview	Rxcamview





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PART CODE	CHDBCA1	CHDBCA2		
AI	Face Detection	Face Detection	Face Detection	Face Detection
	Pedestrian Detection	Pedestrian Detection	Pedestrian Detection	Pedestrian Detection
	Vehicle Detection	Vehicle Detection	Vehicle Detection	Vehicle Detection
	Cross Counting	Cross Counting	Cross Counting	Cross Counting
	Heat Map	Heat Map	Heat Map	Heat Map
	Crowd Density Detection	Crowd Density Detection	Crowd Density Detection	Crowd Density Detection
	Perimeter Intrusion Detection	Perimeter Intrusion Detection	Perimeter Intrusion Detection	Perimeter Intrusion Detection
	Line Crossing Detection	Line Crossing Detection	Line Crossing Detection	Line Crossing Detection
	Queue Legth Detection	Queue Legth Detection	Queue Legth Detection	Queue Legth Detection
	License Plate Detection	License Plate Detection	License Plate Detection	License Plate Detection
	Rare Sound Detection	Rare Sound Detection	Rare Sound Detection	Rare Sound Detection
Interface				
P/W Reset	YES	YES	YES	YES
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)	N/A
HDMI	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080, 2560*1440(2K), 3840*2160(4K))	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080, 2560*1440(2K), 3840*2160(4K))	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080, 2560*1440(2K), 3840*2160(4K)) 1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 /EDID) Async out	2 1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 1920*1080 , 1600*1200 1920*1200, 3840*2160/EDID Async out
Ethernet	1 RJ45 100/1000 Base-T	1 RJ45 100/1000 Base-T	2 RJ45 100/1000 Base-T	2 RJ45 1000 Base-T
POE	4*RJ45, 100 Base-T 802.3at/af	8*RJ45, 100 Base-T 802.3at/af	16*RJ45, 100 Base-T 802.3at/af	16*RJ45, 802.3at/af
USB	USB2.0*1(front) USB3.0*1+USB2.0*1(rear)	USB2.0*1(front) USB3.0*1+USB2.0*1(rear)	USB2.0*1(front) USB3.0*1+USB2.0*1(rear)	USB2.0*1(front) USB3.0*2(rear)
Audio out	1 in / 1 out	1 in / 1 out	1 in / 1 out	1
E-sata	1	1	1	1
HDD	1, each up to 12TB	2, each up to 12TB	2, each up to 12TB	4 SATA HDD, up to 18TB (Enterprise-Class)
Line in	1	1	1	1
RS485	1	1	1	1
Alarm Input/out	4 in /1 out	8 in /1 out	16 in /1 out	16in /1out
General				
OSD Language	English/French/Spanish/Portuguese/German/Italian/Greek/Danish/Finnish/Russia/Hebrew/Turkish/Bulgarian/Arabic/Korean/Japanese/Thai/Hindi/Romanian/Dutch/Polish	English/French/Spanish/Portuguese/German/Italian/Greek/Danish/Finnish/Russia/Hebrew/Turkish/Bulgarian/Arabic/Korean/Japanese/Thai/Hindi/Romanian/Dutch/Polish	English/French/Spanish/Portuguese/German/Italian/Greek/Danish/Finnish/Russia/Hebrew/Turkish/Bulgarian/Arabic/Korean/Japanese/Thai/Hindi/Romanian/Dutch/Polish	English/French/Spanish/Portuguese/German/Italian/Greek/Danish/Finnish/Russia/Hebrew/Turkish/Bulgarian/Arabic/Korean/Japanese/Thai/Hindi/Romanian/Dutch/Polish
Dimension (WxDxH)	300X227X53mm	378*317*50mm	378*317*50mm	378*326*66mm





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PART CODE	CHDBCA1	CHDBCA2		
Dimension (WxDxH)	300X227X53mm	378*317*50mm	378*317*50mm	378*326*66mm
Weight	1050g	2200g	2975g	
Input Voltage/Current	48V/1.2A	48V/2A	ATX 280W	280W
Power consumption (excluding hard disk)	6W	6W	12W	10W
Operating Temperature/ Humidity	Temperature : 0°C~+50°C (32°F ~ 122°F) Humidity : Less than 90%RH	Temperature : 0°C~+50°C (32°F ~ 122°F) Humidity : Less than 90%RH	Temperature : 0°C~+50°C (32°F ~ 122°F) Humidity : Less than 90%RH	Temperature : -10°C~+50°C (14°F ~ 122°F) Humidity : Less than 90%RH
FCC	YES	YES	YES	YES
CE	YES	YES	YES	YES

