











Full HD.....	p.	2
Thermal Cameras.....	p.	4
Compact Cameras.....	p.	4
2 Megapixel Cameras..	p.	5
D1 / VGA.....	p.	5
360° PTZ.....	p.	6
Encoder / Decoder.....	p.	7
Video Image Stabilizer..	p.	8
Mounting Accessories..	p.	9
IP Network Accessories...	p.	10
Intelligent IP Solutions...	p.	11





Full HD 16:9 Resolution

Info	Picture	Model	Image Sensor	WDR	Lens	Day & Night	Minimum Illumination	Compression	Dual Stream	ONVIF™	Max. Resolution	Frame Rate @ max. Resolution	Video Analytic										Indoor / Outdoor Fan / Heater	
													VCA Presence	VCA Extension Licenses	Audio In-/Output	Digital In-/Output	USB 2.0	Micro-SD Slot	PoE	IK-10 Vandal Proof	IP-66 Protection			
Box Version																								
1920x1080 DC Auto Iris Control		RC1202HD-6241	1/2.9" SONY EXMOR CMOS	CMOS WDR	C/CS Mount Selectable	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1	✓	✓	✓			Indoor / Outdoor (Requires weatherproof housing for outdoor use)		
Dome Version Indoor																								
1920x1080 Fish-Eye H180°/V160°		RC2102HD-5511	1/2.7" CMOS	Digital WDR	1.2 mm, F2.0 2.0 Megapixel H180° / V160°	Digital D/N Switching	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1		✓	✓			Indoor		
Standard Vario Lens		RC3102HD-5211	1/2.7" CMOS	Digital WDR	Vario 3 ~ 9mm, F1.2 DC Auto Iris	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1		✓	✓			Indoor		
Motorized Vario Lens One Click Auto-Focus		RC3102HD-5311	1/2.7" CMOS	Digital WDR	Remote Focus/Zoom 3 ~ 9mm, F1.2	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1		✓	✓			Indoor		
Dome Version Outdoor																								
Standard Vario Lens		RC3502HD-5211	1/2.7" CMOS	Digital WDR	Vario 3 ~ 9mm, F1.2 DC Auto Iris	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1		✓	✓	✓	✓	Outdoor ** Heater		
Motorized Vario Lens One Click Auto-Focus		RC3502HD-6311	1/2.9" SONY EXMOR CMOS	CMOS WDR	Remote Focus/Zoom 3 ~ 9mm, F1.2	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1		✓	✓	✓	✓	Outdoor ** Heater		
Dome Version Outdoor / IR LED's																								
Standard Vario Lens		RC3502HD-5211IR	1/2.7" CMOS	Digital WDR	3 ~ 9mm, F1.2 DC Auto Iris 30x IR LED's	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1		✓	✓	✓	✓	Outdoor ** Fan / Heater		
Motorized Vario Lens One Click Auto-Focus		RC3502HD-5311IR	1/2.7" CMOS	Digital WDR	Remote Focus/Zoom 3 ~ 9mm, F1.2 36x IR LED's	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1		✓	✓	✓	✓	Outdoor ** Fan / Heater		


* With highest 1080p image resolution the frame rate will limit to 15fps if VCA feature is activated.

** Heater works only with external power supply.

Full HD 16:9 Resolution

Info	Picture	Model	Image Sensor	WDR	Lens	Day & Night	Minimum Illumination	Compression	Dual Stream	ONVIF™	Max. Resolution	Frame Rate @ max. Resolution	Video Analytic						Indoor / Outdoor Fan / Heater	
													VCA Presence	VCA Extension Licenses	Audio In-/Output	Digital In-/Output	USB 2.0	Micro-SD Slot		PoE
Indoor Dome - Repositionable Pan / Tilt – Zoom/Focus Function																				
PTZ Presets One Click Auto-Focus Flush Mount		RC3302HD-5344	1/2.7" CMOS	Digital WDR	Remote Focus/ Zoom 3 ~ 9mm, F1.2	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1	✓	✓	✓	Indoor
PTZ Presets One Click Auto-Focus Ceiling Mount		RC3702HD-5314-NH	1/2.7" CMOS	Digital WDR	Remote Focus/ Zoom 3 ~ 9mm, F1.2	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1	✓	✓	✓	Indoor (Without F/H)
Outdoor Dome - Repositionable Pan / Tilt – Zoom/Focus Function																				
PTZ Presets One Click Auto-Focus		RC3702HD-5314	1/2.7" CMOS	Digital WDR	Remote Focus/ Zoom 3 ~ 9mm, F1.2	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1	✓	✓	✓	Outdoor ** Fan / Heater
Outdoor Bullet Camera / IR LED																				
Motorized Vario Lens One Click Auto-Focus		RC6602HD-5311	1/2.7" CMOS	Digital WDR	Remote Focus/ Zoom 3 ~ 9mm, F1.2 34x IR LEDs	Removable IR-Cut Filter	0.5 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional	1/1	1/1	✓	✓	✓	Outdoor ** Fan / Heater






Thermal Camera with CIF Resolution

Info	Picture	Model	Thermal Lenses Fix Focal Length	Lens Horizontal FOV	Image Sensor	NETD	Scanning System	Compression	Dual Stream	ONVIF™	Max. Resolution	Frame Rate	Video Analytic						Indoor / Outdoor Fan / Heater		
													VCA Detect	VCA Extension Licenses	Audio In-/Output	Digital In-/Output	USB 2.0	Micro-SD Slot		PoE Camera Unit IK-10 Vandal Proof	IP-66 Protection
Box Version including Weatherproof Housing																					
Standard with VCA-Detect License + Weatherproof Housing 230VAC Including wall bracket mount (PoE+ Option)		RTC1130-320-7.5	7.5mm	42°	17 µm Uncooled Vanadium Oxide Microbolometer	Less than 50mK	Progressive Scan 320x240	H.264, MPEG-4 MJPEG	✓			320x240 scalable from CIF to D1	30fps@D1	✓	Optional	1/1	1/1	✓	✓	✓	Indoor / Outdoor (Standard with outdoor housing ODE-1000T-230)
		RTC1130-320-15	16.7mm	18.7°																	
		RTC1130-320-25	25mm	12.4°																	
		RTC1130-320-35	35mm	8.9°																	
		RTC1130-320-50	50mm	6.2°																	


* With highest 1080p image resolution the frame rate will limit to 15fps if VCA feature is activated.

** Heater works only with external power supply.

Full HD 1080P Compact Cameras / Home Security



Info	Picture	Model	Image Sensor	WDR	Lens	Day & Night	Minimum Illumination	Compression	Dual Stream	ONVIF™	Max. Resolution	Frame Rate @ max. Resolution	Video Analytic		PIR Sensor	Built-in WLAN	Audio In-/Output	Digital In-/Output	USB 2.0	Micro-SD Slot	PoE	IK-10 Vandal Proof	IP-66 Protection	Indoor / Outdoor Fan / Heater
													VCA Presence	VCA Extension Licenses										
Indoor Dome																								
Ultra Compact Dome		RC302HD-5117	1/2.7" CMOS	Digital WDR	2.8mm, F2.0 Fixed Iris	Digital D/N Switching	1.0 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional						✓	✓			Indoor
Compact Dome Sony CMOS		RC3202HD-6111W	1/2.9" SONY EXMOR CMOS	CMOS WDR	2.97mm, F2.0 Fixed Iris	Digital D/N Switching	1.0 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional				1/1		✓	✓			Indoor
Indoor Dome / IR LED																								
Compact Dome Sony CMOS IR LED		RC3402HD-6211IR	1/2.9" SONY EXMOR CMOS	CMOS WDR	4.3mm, F2.0 Fixed Iris 10x High Power IR LEDs	Removable IR-Cut Filter	1.0 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional						✓	✓			Indoor
In-/Outdoor Bullet Camera / IR LED																								
IR Bullet Sony CMOS Vario Lens		RC6702HD-6211	1/2.9" SONY EXMOR CMOS	CMOS WDR	Vario 3 ~ 9mm, F1.5 12x High Power IR LEDs	Removable IR-Cut Filter	1.0 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional				1/1		✓	✓	✓		Indoor / Outdoor
Compact IR Bullet Sony CMOS		RC6802HD-6211	1/2.9" SONY EXMOR CMOS	CMOS WDR	4.3mm, F2.0 Fixed Iris 8x High Power IR LEDs	Removable IR-Cut Filter	1.0 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional				1/1		✓	✓	✓		Indoor / Outdoor

HD 16:9 Compact Camera / Home Security

Indoor IP Cube Camera - IR Sensor																									
VSaaS Integrated Microphone + Speaker		RCC100HD-5110PIR	1/4" CMOS	Digital WDR	2.7mm F2.0 Megapixel	Digital D/N Switching	1.0 Lux 0.001 Lux (Sens-up)	H.264 MJPEG	✓	✓	HD 720P 1280x720	30fps@720	✓	Optional	✓	✓			1/1	✓					Indoor

* With highest 1080p image resolution the frame rate will limit to 15fps if VCA feature is activated.

2 Megapixel 4:3 Resolution






Info	Picture	Model	Image Sensor	Lens	Day & Night	Minimum Illumination	WDR	Analog Video-Output	Compression	Dual Stream	Maximum Resolution	Frame Rate @ max. Resolution	Video Analytic		Audio In-/Output	Digital In-/Output	USB 2.0	Micro-SD Slot	PoE	IK-09 Vandal Proof	IP-66 Protection	Indoor / Outdoor Fan / Heater
													VCA Presence	VCA Extension Licenses								
Box Version																						
2MP (1600x1200)		RC1100M-7141	1/3.2" 2M CMOS	CS Mount	Digital D/N Switching	0.5 Lux 0.1 Lux (Sens-up)			H.264, MPEG-4 MJPEG	√	UXGA (1600x1200)	5fps@ UXGA 12fps@ HD720	√	Optional	1/1	1/1	√	√	√			Indoor / Outdoor (Requires weather-proof housing for outdoor use)
In- / Outdoor Dome Version																						
2MP (1600x1200)		RC3500M-5111	1/3.2" 2M CMOS	Vario 3.3~12 mm F1.6, Fixed Iris	Digital D/N Switching	0.5 Lux 0.1 Lux (Sens-up)			H.264, MPEG-4 MJPEG	√	UXGA (1600x1200)	5fps@ UXGA 12fps@ HD720	√	Optional	1/1	1/1		√	√	√	√	In- / Outdoor

D1 / VGA 4:3 Resolution

Box-Version																						
D1 CCD		RC1100-1241	1/3" CCD	CS Mount	Removable IR-Cut Filter	0.3 Lux / F1.2 0.002 Lux (Sens-up)		√	H.264, MPEG-4 MJPEG	√	D1 (720x576/720x480)	25/30fps	√	Optional	1/1	1/1	√	√	√			Indoor / Outdoor (Requires weather-proof housing for outdoor use)
Indoor Dome Version																						
VGA CMOS		RC100-5100	1/4" CMOS	3.6 mm F2.0	Digital D/N Switching	0.9 Lux / F2.0			H.264, MPEG-4 MJPEG	√	VGA (640x480)	25/30fps	√	Optional	1/1							Indoor
In- / Outdoor Dome Version																						
D1 CCD		RC3500-1211	1/3" CCD	Vario F1.2, 2.8 ~ 10.5 mm DC-Auto Iris	Removable IR-Cut Filter	0.3 Lux 0.002 Lux (Sens-up)		√	H.264, MPEG-4 MJPEG	√	D1 (720x576/720x480)	25/30fps	√	Optional	1/1	1/1		√	√	√	√	In- / Outdoor
Outdoor Bullet Camera / IR LED																						
D1 CCD		RC6700-1200	1/3" CCD	3.5 ~ 16mm F1.2, DC-Auto Iris 70x IR LEDs - 45m Distance	Removable IR-Cut Filter	0.0003 Lux (Sens-up)		√	H.264, MPEG-4 MJPEG	√	D1 (720x576/720x480)	25/30fps	√	Optional	1/1	1/1		√			√	Outdoor * Fan / Heater

* Heater works only with external power supply.

D1 Resolution 360° PTZ Speed Dome








Info	Picture	Model	Image Sensor	Lens	Day & Night	Minimum Illumination	WDR	Analog Video-Output	Compression	Dual Stream	ONVIF™	Maximum Resolution	Frame Rate @ max. Resolution	Video Analytic						Indoor / Outdoor Fan / Heater		
														VCA Presence	VCA Extension Licenses	VCA-Tracking PTZ Auto Tracking	Audio In-/Output	Digital In-/Output	USB 2.0		Micro-SD Slot	PoE
Indoor / Outdoor PTZ Dome																						
12V DC 12x Opt. Zoom VCA-Follow License		RC5510-1210	1/4" CCD	12x Optical Zoom F1.67 ~ 2.88 f = 3.94 ~ 46.05 mm	Removable IR-Cut Filter	0.2 Lux 0.04 Lux (Sens-up)	✓		H.264, MPEG-4, MJPEG	✓		D1 (720x576/ 720x480)	25/30fps	✓	Optional	Optional	1/1	1/1	✓	✓	✓	Indoor / Outdoor Fan / Heater
Indoor PTZ Dome																						
24V AC 27x Opt. Zoom VCA-Follow License		RC4100-1212-27/I	1/4" CCD	27x Optical Zoom F=1.6 ~ F2.8 f=3.5 ~ 95 mm	Removable IR-Cut Filter	0.2 Lux 0.02 Lux (Sens-up)		✓	H.264, MPEG-4, MJPEG	✓		D1 (720x576/ 720x480)	25/30fps	✓	Optional	Optional	1/1	4/2	✓			Indoor Fan
24V AC - WDR 36x Opt. Zoom VCA-Follow License		RC4100-2212-36/I	1/4" Exview CCD	36x Optical Zoom F=1.6 ~ F4.5 f=3.4 ~ 122.4 mm	Removable IR-Cut Filter	0.1 Lux 0.01 Lux (Sens-up)	✓	✓	H.264, MPEG-4, MJPEG	✓		D1 (720x576/ 720x480)	25/30fps	✓	Optional	Optional	1/1	4/2	✓			Indoor Fan
Outdoor PTZ Dome																						
24V AC 27x Opt. Zoom VCA-Follow License		RC4100-1212-27/O	1/4" CCD	27x Optical Zoom F=1.6 ~ F2.8 f=3.5 ~ 95 mm	Removable IR-Cut Filter	0.2 Lux 0.02 Lux (Sens-up)		✓	H.264, MPEG-4, MJPEG	✓		D1 (720x576/ 720x480)	25/30fps	✓	Optional	Optional	1/1	4/2	✓	✓	✓	Outdoor Fan / Heater
24V AC - WDR 36x Opt. Zoom VCA-Follow License		RC4100-2212-36/O	1/4" Exview CCD	36x Optical Zoom F=1.6 ~ F4.5 f=3.4 ~ 122.4 mm	Removable IR-Cut Filter	0.1 Lux 0.01 Lux (Sens-up)	✓	✓	H.264, MPEG-4, MJPEG	✓		D1 (720x576/ 720x480)	25/30fps	✓	Optional	Optional	1/1	4/2	✓	✓	✓	Outdoor Fan / Heater

Full HD 16:9 Resolution 360° PTZ Speed Dome

Indoor PTZ Dome																						
PoE+ / 24VAC 20x Opt. Zoom VCA-Follow License		RC4202HD-6416-20	1/3" CMOS	20x Optical Zoom F=1.6 ~ F2.9 f=4.45 ~ 89 mm	Removable IR-Cut Filter	1.5 Lux 0.001 Lux (Sens-up)	✓	✓	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional		1/1	4/2	✓	✓		Indoor
Outdoor PTZ Dome																						
PoE+ / 24VAC 20x Opt. Zoom VCA-Follow License		RC4602HD-6416-20	1/3" CMOS	20x Optical Zoom F=1.6 ~ F2.9 f=4.45 ~ 89 mm	Removable IR-Cut Filter	1.5 Lux 0.001 Lux (Sens-up)	✓	✓	H.264 MJPEG	✓	✓	HD 1080P 1920x1080	30fps@1080*	✓	Optional		1/1	4/2	✓	✓	✓	Outdoor Heater

* With highest 1080p image resolution the frame rate will limit to 15fps if VCA feature is activated.



D1 Resolution IP Encoder - Decoder

Info	Picture	Model	Analog Video-Input	Analog Video-Output	Compression	Dual Stream	ONVIF™	Maximum Resolution	Frame Rate @ max. Resolution	Video Analytic			Audio In-/Output	Digital In-/Output	USB 2.0	Micro-SD Slot	RS485 Interface	PoE	External Power Supply	Including DC Adapter
										VCA Presence	VCA Extension Licenses	VCA-Tracking PTZ Auto Tracking								
1 Channel Video Encoder																				
D1 - VCA Function		RE110	1	1	H.264, MPEG-4 MJPEG	✓		PAL-720x576 NTSC-720x480	25/30fps	✓	Optional	Optional	1/1	2/2			✓		12V DC	✓
D1 - VCA Function PoE, Micro-SD ONVIF™		RE1100-OV	1	1	H.264 MJPEG	✓	✓	PAL-720x576 NTSC-720x480	25/30fps	✓	Optional	Optional	1/1	2/2		✓	✓	✓	12V DC	✓
4 Channel Video Encoder																				
D1 - VCA Function		RE4000	4	1	H.264, MPEG-4 MJPEG	✓		PAL-720x576 NTSC-720x480	Total 100/120fps	✓	Optional	Optional Only First Channel	4/4	4/4			✓		12V DC	✓
D1 - VCA Function 4x RS485 4x Micro-SD ONVIF™		RE4100-OV	4		H.264 MJPEG	✓	✓	PAL-720x576 NTSC-720x480	Total 100/120fps	✓	Optional	Optional	4/1	4/4		✓* 4x	✓ 4x		12V DC	✓
4 Channel Video Encoder Blade Card																				
Card for RE12K 19" Rack		RE4000-R12	4		H.264, MPEG-4 MJPEG	✓		PAL-720x576 NTSC-720x480	Total 100/120fps	✓	Optional	Optional Only First Channel	4/1	4/2			✓		19" Rack	
Card for RE40K 19" Rack		RE4000-R40																		
Card for RE12K 19" Rack		RE4100-OV-R12	4		H.264 MJPEG	✓	✓	PAL-720x576 NTSC-720x480	Total 100/120fps	✓	Optional	Optional Only First Channel	4/1	4/4			✓		19" Rack	
Card for RE40K 19" Rack		RE4000-OV-R40																		
1 Channel Video Decoder																				
Quad Image 4x CIF or 1x D1 Full Screen		RD1000		1	Decompression H.264, MPEG-4 MJPEG			CIF = 352x288 D1 = 720 x 576	4x CIF = 100/120fps 1x D1 = 25/30fps				1/1	2/2	Mouse Control		✓	✓	12V DC	✓


RE4000L encoder series are still available on customer request.

* RE4100-OV: To access the four SD card slots needs to open the housing













19" Network Video Encoder Rack

Info	Picture	Model	Max. Available Slots	Supported Blades	Max. Number of Channels	Rack Size	Rack Width	Built-in Power Supply	Number of Fan	Ethernet Interface	USB 2.0	Power Supply	
19" Rack for 3 or 10 Encoder Cards													
		RE12K	3	RE4000-R12 RE4000L-R12	12	1HE (44 mm)	19" (483mm)	1	2	3x 10/100 Base-T	3	90 - 264 VAC	
		RE40K	10	RE4000-R40 RE4000L-R40	40	4HE (176 mm)	19" (483mm)	2 (Hot Swappable)	3	10x 10/100 Base-T	10	90 - 264 VAC	

Video Image Stabilizer

Info	Picture	Model	Video Delay	Stabilization Tracking Rate	Stabilization Range	Stabilization Frequency	Stabilization	Lock-on Time	Network Interface	USB 2.0	Analog Video Input	Analog Video Output	Video Standards	D1 Resolution	PoE	External Power Supply	Including DC Adapter
1 Channel Video Image Stabilizer																	
		RS1000	< 80ms	± 3000 Pixel / Sec.	± 256 Pixel	0.1 - 30Hz	X-Y Movement	< 80ms from Change of Image	10/100 Base-T (setup only)		1	1	PAL NTSC	720x576 720x480		12V DC	√






Mounting Accessories Full HD Dome and Bullet Cameras

Description	Wall Mount Bracket	Ceiling Mount Bracket	Pole Mount Adaptor	Corner Mount Adaptor	Wall Mount Bracket	Ceiling Mount Bracket	Flush Mount Bracket	Wall Mount Bracket	Ceiling Mount Bracket	Flush Mount Bracket	Flush Mount Bracket	Flush Mount Bracket
												
Order Number	WMB-3000	CMB-3000	PMA-3000	CMA-3000	WMB-3000S	CMB-3000S	FMB-3102	WMB-3200	CMB-3200	FMB-3302	FMB-3502	FMB-3702
Remark												
RC2102HD	√	√	√	√								
RC3102HD	√	√	√	√			√					
RC3202HD								√	√			
RC3302HD										√		
RC3502HD	√	√	√	√							√	
RC3702HD			√	√	√	√						√

Mounting Accessories Full HD Dome and Bullet Cameras

Description	Wall Mount Bracket	Ceiling Mount Bracket	Corner Mount Adaptor	Pole Mount Adaptor	Flush Mount Bracket	Pole Mount Adaptor	Junction Box					
												
Order Number	WMB-4600	CMB-4600	CMA-4600	PMA-4600	FMB-4200	PMA-6600	JBK-6600					
Remark												
NO IP-66												
RC4202HD					√							
RC4602HD	√	√	√	√								
RC6602HD						√	√					

IP Network Accessories

Picture	Product Codes	Model	Description	Features & Benefits
	VHW-HW	HIGHWIRE	(IP) Ethernet over Coax	Convert Ethernet CAT5-7 cable based IP communication to coax cable, supports all IP devices (auto-configuration), Fast Ethernet up to 500m on RG11@100Mbit/s, full duplex 10BASE-T & 100BASE-T Ethernet, supports Megapixel & PTZ IP units, avoid expensive re-cabling
	VOR-ORM	OUTREACH MAX	LAN & PoE Extender	POE-powered LAN extender what extends both LAN and POE, each unit extends network by 100m, multiple units extend LAN to 1000m, IEEE 802.3af and 802.3at compliant, plugs in-line with CAT5/6 cable installation, simple to install, no user set-up
	VOR-OS	OUTSOURCE	20W PoE Injector	20W PoE midspan injectors, IEEE 802.3af compliant, simple to install, no user set-up is required, ideal for Wireless APs & IP Cameras, (* Also available as OUTSOURCE PLUS, 30W PoE+ injector, IEEE 802.3af and 802.3at compliant)
	VAD-PS	POINTSOURCE	Mobile battery-powered PoE Injector	Rechargeable PoE injector battery-pack, ideal for in-field use, locally view IP camera on your laptop, useful for on-site surveys / inspections, essential tool for camera install / test
	VAD-PP	PINPOINT	Provide additional IP port for PC/PDA	Allows viewing camera image via laptop without losing PoE connection to camera, diverts network connection to PC/PDA, essential tool for camera installers, allows quick & easy focus adjustment

Vario and Ultra Wide Lenses

Model	Sensor Size	Focal Length	Angle of View Horizontal	F-Stop	Iris Control	Mount	Resolution	Specification
13VG2811ASIR	1/3"	2,8 - 11mm	97,4° - 26,2°	F1.4 - 360	DC-Iris	CS	High Resolution up to 1MP	Day/Night
12VG1040ASIR	1/2"	10 - 40mm	37,5° - 9,3°	F1.4 - 360	DC-Iris	C	High Resolution up to 1MP	Day/Night
M13VG288IR	1/3"	2,8 - 8mm	100,1° - 35,8°	F1.2 - 360	DC-Iris	CS	Megapixel up to 3MP	Day/Night
M13VG550	1/3"	5 - 50mm	53,8° - 5,5°	F1.4 - 360	DC-Iris	CS	Megapixel up to 3MP	
M13VG850IR	1/2.7"	8 - 50mm	33,6° - 5,6°	F1.6 - 360	DC-Iris	CS	Megapixel up to 3MP	Day/Night
SY110M	1/2.5"	1,67mm	120°	F1.8 - close	Manual-Iris	CS	Megapixel up to 3MP	Day/Night, Ultra Wide Angle, Linear Optical Technology®
SY125M	1/2.5"	1,28mm	135°	F1.8 - close	Manual-Iris	CS	Ultra Megapixel up to 5MP	Ultra Wide Angle, Linear Optical Technology®
SL183M	1/2.5"	1,8 - 3,0mm	115° - 77°	F1.8 - close	Manual-Iris	CS	Ultra Megapixel up to 5MP	Day/Night, Wide Angle Vario, Linear Optical Technology®
SL940M	1/2.5"	9 - 40mm	36° - 7°	F1.5 - close	Manual-Iris	CS	Ultra Megapixel up to 5MP	Day/Night, Vario, Linear Optical Technology®

RIVA® Intelligent Video IP Solutions

VCA Standard and Extension Licenses	RIVA® Product Groups	Number of Detection Zones or Lines	Camera Tamper Detection	VCA Camera Shake Elimination	Standard VCA Tracker Algorithm	Object Presence Filter	Abandoned and Removed Object	Classification and 3D Calibration	Speed Filters/ Direction and Dwell Filters	VCA based Access Control (Tailgating)	Onscreen Counters	VCA Meta Data	Advance Tracker Algorithm	Counting Line Mode	Object Color Filter	Auto PTZ Object Auto-Tracking	Video Image Stabilization	Comments
Standard License Feature - Included with Hardware																		
VCApresIP	All	40	√	√*	√	√												Free with all RC- and RE-Product Line **
VCApresIP+	RE1100/4100	40	√		√	√		√										Free with RE1100-OV and RE4100-OV Encoder Line
Specific Application based Licenses																		
VCAcountIP	All	40	√						√		√			√				Bi-directional counting in busy areas of vehicles or people
VCAaccessIP	All	40	√							√	√			√				Tailgating detection and counting for access control
VCAdetectIP	All	40	√	√*	√	√		√	√									Advanced outdoor surveillance and detection filters with 3D calibration
VCAfollowIP	1 Channel RE-Encoder		√	√	√											√		Object PTZ auto tracking - auto lay-on for high speed PTZ units
Fully Featured License Packages																		
VCAsurvIP	All	40	√	√*	√	√	√*	√	√	√	√	√						Optimized for outdoor surveillance with advanced feature set: Object Enter, Exit, Appear, Disappear
VCAadvancedIP	All	40	√	√*	√	√	√*	√	√	√	√	√		√				VCA surveillance filter set plus counting line mode
VCAproIP	Not with HD series and RE1100/4100	40	√	√	√	√	√	√	√	√	√	√	√	√	√			Advanced tracker optimized for scenes with multiple people, object color recognition
VCAtrackIP	PTZ Dome 1 Channel RE-Encoder	40	√	√	√	√	√	√	√	√	√	√				√		Object PTZ auto tracking modes: Auto, manual and rule based tracking, using high speed PTZ units
Special Function License																		
STBe	Not with HD series and RE1100/4100		√														√	Embedded video stabilization

* Function not implemented in HD camera line and RE1100-OV/4100-OV encoders

** No VCA support on encoder RE4000L series



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