
























Model	Fixed Box IP Camera				Fixed Dome IP Camera			
	RC1100L-1241	RC1100-1141	RC1100-1241	RC1100-2241	RC100-5100	RC200-5100	RC3100-5101	RC3500L-1211
Picture								
Image Sensor	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/4" CMOS	1/4" CMOS	1/3" CMOS	1/3" CCD
Lens	CS Mount	CS Mount	CS Mount	CS Mount	3.6mm F2.0, Board type	1.79 mm F2.5 (Wide View Angle Lens), Board type	3.3~12mm Fixed Iris Board Vari-Focal	2.8~10.5 mm F1.2 DC Auto Iris Board Vari-Focal
Day & Night	Removable IR-cut filter		Removable IR-cut filter	Removable IR-cut filter				Removable IR-cut filter
Minimum Illumination	0.3 Lux / F1.2 (50 IRE) 0.002 Lux (Sens-up)	0.3 Lux / F1.2 (50 IRE) 0.002 Lux (Sens-up)	0.3 Lux / F1.2 (50 IRE) 0.002 Lux (Sens-up)	0.3 Lux / F1.2 (50 IRE) 0.002 Lux (Sens-up)	0.9 Lux	0.9 Lux	0.25 Lux	0.3 Lux (50 IRE) 0.002 Lux (Sens-up)
WDR				√				
Analog Video Out	√	√	√	√			√	√
Compression	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG
Dual Stream	√	√	√	√	√	√	√	√
Maximum Resolution	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	VGA(640x480)	VGA(640x480)	D1 (720x576/720x480)	D1 (720x576/720x480)
FPS	25/30fps	25/30fps	25/30fps	25/30fps	30fps	30fps	25/30fps	25/30fps
Video Analytics-VCaPresence	√ (VCAlite)	√	√	√	√	√	√	√(VCAlite)
Video Analytics-PTZ Auto Tracking								
Video Analytics-VCaSurveillance	Option (Support at lower FPS configuration)	Option	Option	Option	Option	Option	Option	Option (Support at lower FPS configuration)
Video Stabilizer-STBeIP	Option (Support at lower FPS configuration)	Option	Option	Option	Option	Option	Option	Option (Support at lower FPS configuration)
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
DI/DO	1/1	1/1	1/1	1/1	N/A	N/A	N/A	1/1
USB 2.0	√	√	√	√				
MicroSD	√	√	√	√				√
PoE	√	√	√	√			√	√
Fan / Heater								
IP Protection Rating								IP66
Indoor / Outdoor	Indoor / Outdoor (Requires weatherproof housing for outdoor use)	Indoor / Outdoor (Requires weatherproof housing for outdoor use)	Indoor / Outdoor (Requires weatherproof housing for outdoor use)	Indoor / Outdoor (Requires weatherproof housing for outdoor use)	Indoor	Indoor	Indoor	Indoor / Outdoor
Availability	√	√	√	√	√	√	√	√

Fixed Dome IP Camera			
RC3500-1111	RC3500-1211	RC3500-2211	RC3510-1210-FH
			
1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
2.8~10.5 mm F1.2 DC Auto Iris Board Vari-Focal	2.8~10.5 mm F1.2 DC Auto Iris Board Vari-Focal	2.8~10.5 mm F1.2 DC Auto Iris Board Vari-Focal	2.8~10.5 mm F1.2 DC Auto Iris Board Vari-Focal
	Removable IR-cut filter	Removable IR-cut filter	Removable IR-cut filter
0.3 Lux (50 IRE) 0.002 Lux (Sens-up)	0.3 Lux (50 IRE) 0.002 Lux (Sens-up)	0.3 Lux / F1.2 (Color) 0.002 Lux (Sens-up)	0.3 Lux (50 IRE) 0.002 Lux (Sens-up)
		√	
√	√	√	√
H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG
√	√	√	√
D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)
25/30fps	25/30fps	25/30fps	25/30fps
√	√	√	√
Option	Option	Option	Option
Option	Option	Option	Option
1/1	1/1	1/1	1/1
1/1	1/1	1/1	1/1
√	√	√	√
√	√	√	
			Fan / Heater
IP66	IP66	IP66	IP66
Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Outdoor
√	√	√	√

Model	PTZ Speed Dome IP Camera				
	RC4100-2212 -36/I	RC4100-2212 -36/O	RC4100-1212-27/I	RC4100-1212-27/O	RC4100-1212-37/I
Picture					
Image Sensor	1/4" Exview CCD	1/4" Exview CCD	1/4" Interline Transfer CCD	1/4" Interline Transfer CCD	1/4" Interline Transfer CCD
Lens	36X Optical F1.6~F4.5, f=3.4~122.4 mm	36X Optical F1.6~F4.5, f=3.4~122.4 mm	27X Optical F1.6~F2.8, f=3.5~95 mm	27X Optical F1.6~F2.8, f=3.5~95 mm	37X Optical F=1.6~F3.9, f=3.5~129.5 mm
Day & Night	Removable IR-cut filter	Removable IR-cut filter	Removable IR-cut filter	Removable IR-cut filter	Removable IR-cut filter
Minimum Illumination	1.4 Lux (50 IRE), 0.01 Lux (ICR On)	1.4 Lux (50 IRE), 0.01 Lux (ICR On)	0.2 Lux (50 IRE), 0.02 Lux (ICR On)	0.2 Lux (50 IRE), 0.02 Lux (ICR On)	0.2 Lux (50 IRE), 0.02 Lux (ICR On)
WDR	Digital WDR	Digital WDR			
Analog Video Out	√	√	√	√	√
Compression	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG
Dual Stream	√	√	√	√	√
Maximum Resolution	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)
FPS	25/30fps	25/30fps	25/30fps	25/30fps	25/30fps
Video Analytics- VCApresence	√	√	√	√	√
Video Analytics- PTZ Auto Tracking	√	√	√	√	√
Video Analytics- VCA surveillance	Option	Option	Option	Option	Option
Video Stabilizer- STBeIP	Option	Option	Option	Option	Option
Audio In/Out	1/1	1/1	1/1	1/1	1/1
DI/DO	4/2	4/2	4/2	4/2	4/2
USB 2.0					
MicroSD	√	√	√	√	√
PoE					
Fan / Heater	Fan	Fan / Heater	Fan	Fan / Heater	Fan
IP Protection Rating		IP66		IP66	
Indoor / Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor
Availability	√	√	√	√	√

IR IP Camera			
RC4100-1212-37/O	RC5500-1210	RC6500-1214	RC7500-1214
			
1/4" Interline Transfer CCD	1/4" CCD	1/3" CCD	1/3" CCD
37X Optical F=1.6~F3.9, f=3.5~129.5 mm	10X Optical F1.8 f=3.8~38mm	3.5-16 mm F1.2 DC Auto Iris, 54 IR LEDs, IR Range-40M	3.3-12 mm F1.2 DC Auto Iris, 30 IR LEDs, IR Range-20M
Removable IR-cut filter	Removable IR-cut filter	Removable IR-cut filter	Removable IR-cut filter
0.2 Lux (50 IRE), 0.02 Lux (ICR On)	0.7 Lux D & N Off 0.02 Lux D & N On	0.14 (30 IRE)	0.14 (30 IRE)
√	√	√	√
H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG
√	√	√	√
D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)
25/30fps	25/30fps	25/30fps	25/30fps
√	√	√	√
√			
Option	Option	Option	Option
Option	Option	Option	Option
1/1	1/1	1/1	1/1
4/2	1/1	1/1	1/1
√	√	√	√
		√	√
Fan / Heater	Option		
IP66	IP66	IP66	IP66
Outdoor	Indoor / Outdoor (Requires weatherproof housing for outdoor use)	Indoor / Outdoor	Indoor / Outdoor
√	√	√	√

Model	Megapixel IP Camera					
	RC1100M-7141	RC1202HD-5241	RC3100M-5101 / W	RC3500M-5111	RC3502HD-5211	RC3602HDM-5344
Picture						
Image Sensor	1/3.2" 2M CMOS	1/2.7" 1080p CMOS	1/3.2" 2M CMOS	1/3.2" 2M CMOS	1/2.7" 1080p CMOS	1/2.7" 1080p CMOS
Lens	CS Mount	CS Mount	3.3-12 mm F1.6 Fixed Iris / optional 2.1mm, F2.5 wide angle	3.3-12 mm F1.6 Manual Iris, Board Vari-Focal	3.0-9.0mm F 1.2, Manual Iris, Vari-Focal	3.0-9.0 mm, F1.2, Motorized Focus & Zoom; Vari-Focal
Day & Night		Removable IR-cut filter			Removable IR-Cut Filter	Removable IR-Cut Filter
Minimum Illumination	0.5 Lux (50IRE), 0.1 Lux (DSS x5 ON)	0.2 Lux (50 IRE)	0.5 Lux (50IRE), 0.1 Lux (DSS x5 ON)	0.5 Lux (50IRE), 0.1 Lux (DSS x5 ON)	1.0 Lux (F1.2) 0.1 Lux (F1.2)	TBD
WDR						
Analog Video Out		√				
Compression	H.264, MPEG-4 MJPEG	H.264, MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG	H.264, MPEG-4 MJPEG
Dual Stream	√		√	√	√	√
Maximum Resolution	UXGA (1600x1200)	HD1080P (1920x1080)	UXGA (1600x1200)	UXGA (1600x1200)	(1920x1080)	(1920x1080)
FPS	12fps@HD720 5fps@UXGA	30fps@HD1080 30fps@HD720	12fps@HD720 5fps@UXGA	12fps@HD720 5fps@UXGA	Full-frame @ 1080p	Full-frame @ 1080p
Video Analytics-VCAPresence	√		√	√	√ (09/2011)	√ (09/2011)
Video Analytics-PTZAuto Tracking					Option	Option
Video Analytics-VCAsurveillance	Option		Option	Option	Option	Option
Video Stabilizer-STBeIP	Option		Option	Option	Option	Option
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
DI/DO	1/1	1/1	N/A	1/1	1/1	1/1
USB 2.0	√	√				√
MicroSD	√	√(SD)		√	√	√(SD)
PoE	√	√	√	√	√	√
Fan / Heater					√	√
IP Rating						
Indoor / Outdoor	Indoor / Outdoor (Requires weatherproof housing for outdoor use)	Indoor	Indoor	Indoor / Outdoor	Outdoor	Outdoor
Availability	√	√	√	√	√	√

Model	Network Video Encoder							Network Video Decoder	Model	Rack Solutions	
	RE1000A	RE1000	RE4000A	RE4000	RE4000L	RE4000A-R12/R40	RE4000-R12/R40	RD1000		RE12K-B	RE40K-B
Picture									Picture		
Video Input	1ch	1ch	4ch	4ch	4c	4ch	4ch	1ch Output	Number of slots	3	10
Compression	MPEG-4 MJPG	H.264 MPEG-4 MJPEG	MPEG-4 MJPEG	H.264 MPEG-4 MJPEG	H.264 MJPEG	MPEG-4 MJPEG	H.264 MPEG-4 MJPEG	Decompression H.264, MPEG-4, MJPEG	Supported blades	RE4000 - R12 RE4000A - R12	RE4000 - R40 RE4000A - R40
Dual Stream		√	2ch	√		2ch	√		Maximum number of channels	12	40
FPS	25/30fps	25/30fps	4ch 100/120fps	4ch 100/120fps	4ch 100/120fps	4ch 100/120fps	4ch 100/120fps	1ch(D1), 25/30fps 4ch(CIF), 100/120fps	Rack size	1U	4U
Maximum Resolution	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480)	D1 (720x576/720x480) CIF (352x288/352x240)	Rack width	19"	19"
Video Analytics-VCpresence		√		√			√		Built-in power supply	√	√
Video Analytics-PTZ Auto Tracking									Number of power supply	1	2 (Hot swappable)
Video Analytics-VCsurveillance		Option		Option			Option		Number of fan	2	3 (Hot swappable)
Video Stabilizer-STBeIP		Option		Option			Option		Availability	√	√
Audio In/Out	1/1	1/1	4/1	4/4	2/1	4/1	4/1	1/1	<b>Model</b>	<b>Stabilizer</b>	
DI / DO	2/2	2/2	4/4	4/4	4/4	4/2	4/2	2/2	<b>RS1000P</b>		
USB 2.0	√	√	√	√	√	√	√	√	Picture		
SD		√							Stabilization Tracking Rate	Approx ±3000 pixels/sec	
PoE	Option	√	Option		√			√	Stabilization Range	±256 pixels	
Availability	√	√	√	√	√	√	√	√	Video Delay	< 80ms	
									Stabilization	X-Y Movement at Sub-pixel Accuracy	
									Automatic Algorithm	Locks-on to Background Features Ignores Moving Objects and Brunt-in Text	
									Lock-on Time	< 80ms From Change of Image	
									Video input	Composite, BNC Connector	
									Video Output	Composite, BNC Connector	
									Video Standards	PAL/NTSC Selectable	
									D1 Resolution Digitization	720x576(PAL) / 720x480(NTSC)	
									Network	10/100 Base-T (For Remote Set up Only)	
									Availability	√	

IPE Camera Bracket

	Product Combination	T-bar Mount Bracket	Housing Wall Mount Bracket + Indoor Housing	Housing Wall Mount Bracket + Outdoor Housing	Housing Pipe Wall Mount Bracket + Housing	Housing Ceiling Mount Bracket + Housing
 <p><b>RC1100 RC1100L</b></p>	Picture					
	Model Name	TBAR-100	HWMB-BIH100 + BIH-100	HWMB-BOH100 + BOH-100	HPWMB-BIH100 + BIH-100 HPWMB-BOH100 + BOH-100	HCMB-1100 + BIH-100 HCMB-1100 + BOH-100
	Indoor/Outdoor	Indoor	Indoor	Outdoor	Indoor / Outdoor	Indoor / Outdoor
 <p><b>RC3500/L/M RC3100/M</b></p>	Picture					
	Model Name	FMB-IPE3500(for IPE3500) FMB-IPE3100(for IPE3100)	CMB-35XX-I + GBP-35XX	WMB-IPE35XX + GBP-35XX	WMB-IPE35XX + GBP-35XX + CMA-35XX	MB-IPE35XX + GBP-35XX + PMA-35XX
	Indoor/Outdoor	Indoor	Indoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
 <p><b>RC3510</b></p>	Picture					
	Model Name	FMB-IPE3510	CMB-35XX-O + GBP-35XX	WMB-IPE35XX + GBP-35XX	WMB-IPE35XX + GBP-35XX + CMA-35XX	WMB-IPE35XX + GBP-35XX + PMA-35XX
	Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
 <p><b>RC4100 (I)</b></p>	Picture					
	Model Name	FMB-101	CMB-301	CMB-301 + JB-308	CMB-301 + JB-307	IHA-108
	Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor
	Picture					
	Model Name	WMB-302	WMB-302 + CMA-317	WMB-302 + JB-308 + CMA-317	WMB-302 + JB-307 + CMA-317	WMB-302 + PMA-319
	Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor
	Picture					
	Model Name	WMB-302 + JB-308 + PMA-319	WMB-302 + JB-307 + PMA-319	WMB-302 + JB-308	WMB-302 + JB-307	
	Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	

	Product Combination	Ceiling Mount Bracket	Ceiling Mount Bracket + Junction box	Ceiling Mount Bracket + Junction box (PCB Kit)	Wall Mount Bracket	Wall Mount Bracket + Corner Mount Adaptor
 <p><b>RC4500(O)</b></p>	Picture					
	Model Name	CMB-304	CMB-304 + JB-308	CMB-304 + JB-307	WMB-305	WMB-305 + CMA-317
	Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
 <p><b>RC5500</b></p>	Picture					
	Model Name	WMB-305 + JB-308 + CMA-317	WMB-305 + JB-307 + CMA-317	WMB-305 + PMA-319	WMB-305 + JB-308 + PMA-319	WMB-305 + JB-307 + PMA-319
	Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
	Picture					
	Model Name	WMB-305 + JB-308	WMB-305 + JB-307	WMB-104	WMB-104 + CMA-107	WMB-104 + PMA-109
	Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
	Picture					
	Model Name	FMB-5500 + FMB-5500 - Deco Ring	CMB-5500	WMB-5500	WMB-5500 + CMA-5500	WMB-5500 + PMA-5500
	Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor
	Picture					
Model Name	SSCMB-5500	SSJCB-5500	SSWMB-5500	SSWMB-5500 + CMA-5500	SSJWMB-5500 + CMA-5500	
Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Picture						
Model Name	SSJWMB-5500	SSWMB-5500 + PMA-5500	SSJWMB-5500 + PMA-5500			
Indoor/Outdoor	Outdoor	Outdoor	Outdoor			

\* Additional brackets and camera accessories are available. Please contact your RIVA representative

# RIVA Technology IP Surveillance Solutions

## Primary intelligent video analytics solution – Basic Standard License

Far more advanced than video motion detection



Intruder and perimeter detection



Camera tamper detection



Camera shake cancellation

**STANDARD inclusion with all cameras, encoders & cards**

## Advanced intelligent Video Analytics Solution

Includes all **Standard License** features



Enter and Exit detection



Removed object detection



Appear and Disappear detection



Tailgating detection



Stopping detection



Object Classification



Dwell detection



Speed Filter



Directional detection



People & Vehicle counting



Abandon object detection



Video Stabilizer

- Tracking of stopped and loitering objects
- Counting linked to detection rule
- Unique, easy to use, 3D calibration
- Object Classification (Vehicle, humans, etc)

## Comprehensive VCA Packages for Complete Coverage

**VCA Surveillance** — Advanced surveillance solution

**VCA Professional** — Includes all surveillance filters and counting line filters

**VCA Auto Tracking** — Complete perimeter solution including VCA surveillance and PTZ auto-tracking

## VCA Specific Application Packages

**VCA Count** — Developed for the retail and public transport markets, it includes a line-crossing filter that counts people and vehicles

**VCA Access** — An access control solution, it protects access points with tailgating detection and a line-crossing filter

**VCA Detect** — A perimeter solution, this package includes classification, direction, and dwell filters

**VCA Follows** — PTZ auto-tracking capabilities can track objects and individuals wherever they go

RIVA's complete product range can provide you with security and surveillance solutions your customer's need.