RC1302SV-7211

Full HD Starvis Sensor Box IP Camera

- Full HD1080p @ 30fps
- Video Compression: H.264, MJPEG
- True Day/Night and true WDR
- Superior low light performance
- MicroSD/SDHC Memory Card Slot
- **ONVIF** Support, PoE (IEEE 802.3af)
- Embedded VCA Technology Video Analytics
- Burnt-in Text, Video Motion Detection
- DC Iris Control output / CS lens mount

Specifications

CAMERA

Model	RC1302SV-7211
Image Sensor	SONY STARVIS 1/2.8" 1080p CMOS
Effective Pixels	1920 x 1080
Scanning System	Progressive scanning
AGC Control	Auto, adjustable amplification level
Minimum Illumination	Color: 0.03Lux (DSS On) B/W : 0.006 Lux (DSS On)
Lens Mount	CS Mount
IRIS Control	Four Pin DC Iris control ouput
Shutter Time	Automatic: 1/30 ~ 1/10.000 Manual: 1/2 ~ 1/5.000
Shutter Exposure Modes	Automatic - with configurable min/max shutter speed (exposure time range) Manual - with configurable fixed shutter speed Flicker-Control - 50/60Hz
Day & Night Switching	Auto/Manual (both switching level adjustable 1 ~ 64) removable IR Cut Filter
Image Settings	Configurable brightness, contrast, saturation, sharpness, vertical flip & horizontal mirror function, Corridor Mode (-90° / +90° image flip)
2D-DNR	Configurable digital noise reduction 1 ~ 16
Wide Dynamic Range	Up to 120dB Dynamic Range with activated WDR
Exposure Adjustment	+1.0, +0.6, +0.3, 0, -0.3, -0.6, -1.0 EV
White Balance	ATW1 / ATW2 / Push / Manual
DSS (Sens-up)	Configurable digital slow shutter 2X ~ 16X
Backlight Compensation	BLC On/Off (possible to designate zone)

AUDIO

Audio input / output	Line-In: 0.178Vp-p, 10KΩ Lineout: 2.26Vp-p, 10KΩ
Compression Format	G.711-uLaw

VIDEO

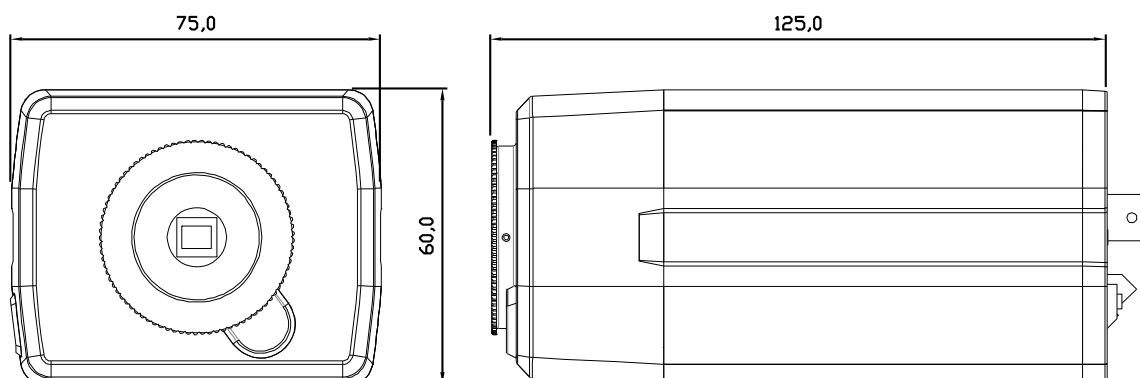|	
Video Compression	H.264 Baseline, Main, High profile (MPEG-4 Part 10/ AVC), MJPEG (Motion JPEG)
Video Streaming	Dual Stream, Independent Configurable **H.264:** Controllable frame rate and image resolution, bandwidth limitation (CVBR/CBR) **MJPEG:** Controllable frame rate and image resolution, JPEG quality

VIDEO

Resolutions	**16:9 mode**	1920x1080, 1280x720, 1120x630, 960x540, 800x450, 640x360, 480x270, 320x180
	4:3 mode	SXGA(1280x960), XGA(1024x768), SVGA (800x600), PAL(720x576), NTSC(720x480) VGA(620x480), QVGA(320x240)
Frame Rate		H.264: Configurable up to max 30fps in all resolution* MJPEG: Configurable up to max 30fps in all resolution*
Motion Detection		Max. 8 zones with independent configuration of detection sensitivity and target object size
Video Stabilization		Supported for First/Second Stream and Snapshot
Defogging		Selectable Defogging level (low, medium, high)
Text Overlay		Free positioning of display for time/ data/ name (name up to 48 signs)
Privacy Mask Zones		4 flexible configurable regions
Analogue Video		NTSC/PAL Video Signal (1.0Vp-p, 75Ω)

NETWORK

Ethernet Standard/IP	10 / 100 Base-T / IPv4, IPv6
Protocol	QoS Layer 3 DiffServ, TCP/IP, UDP/IP, HTTP, HTTPS, FTP, RTSP, RTCP, RTP/UDP, RTP/TCP, mDNS, UPnP™, SMTP, DHCP, DNS, DynDNS, NTP, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP, SSLv2/v3, TLSv1/1.2, SRTP, RTMP, IEEE802.1X
Users Connection	Live viewing for up to 10 clients
Security	HTTPS(SSL), IP Filtering, Multi-level access with password protection

GENERAL

I/O Terminal	1x Alarm In - max 50mA@5VDC, TTL 1x Alarm Out - max 50mA@24VDC, TTL
Serial Interface	RS485 Data Port
Edge Storage	Via micro SD/SDHC (up to 32GB) card for continuous or event recording. Search interface for event files, playback and download (card not included).
Application Programming Interface	Software Development Kit (SDK) available
Event Metadata Streaming RTSP/RTP	Video Motion Detection(MD), Video Content Analytics(VCA)

RC1302SV-7211

RIVA ®
... more than standard

GENERAL	
ONVIF	Version: 2.41 (Support Profile S and G)
Event Sources	Sensor(DI), Video Motion Detection, Tamper Detection, Video Content Analytics(VCA), Network Loss/Detect, Network Setting Change,Time (Recurrene/Schedule)
Event Actions	Notification service via TCP/IP, HTTP, multicast or email text messages with snapshot, DO-contact, file upload on external FTP server, local SD memory card recording
Approvals	FCC, CE, KC, UL, RoHs
Language on Webpage	Korean, English, Chinese, German
ELECTRICAL	
Power Source	12V DC / PoE (IEEE 802.3af)
Power Consumption	DC 12V, PoE / Max. 6W @ DC 12V / 6.4W @ PoE
ENVIROMENT	
Operation Temperature	DC12V/PoE : 0˚C ~ 50˚C (32˚F ~ 131˚F)
Operating Humidity	Up to 85% RH, Non-condensing
MECHANICAL	
Material	Aluminum Die Casting
Color	Grey
Dimension	75(W) x 60(H) x 125(D)mm (3.0" x 2.4" x 4.9")
Weight (Approx)	0.32kg (0.7 lbs)

VIDEO CONTENT ANALYSIS (Included as a Standard)	
High Performance	Advanced tracking algorithm and low false alarm rate
Easy to Use	Intuitive web browser interface
Detection Zones and Rules	Up to 40 zones (multi-segment polygons and lines) 60 VCA filter rules in total
On-screen Display	Real-time display of tracking data and events via activeX plug-in in IE browser
Burnt in Annotation	Allows the VCA annotation to be burnt into the raw video stream for displaying on third party application
Tamper Detection	Recognize camera tampering via VCA detection (defocusing, lens covering, camera moving)
VIDEO CONTENT ANALYSIS (Option extension License)	
Available License	VCAdetectIP, VCAcountIP, VCAadvancedIP, VCAprofessionalIP
VCA Detection Filters	Object: Enter, Exit, Appear, Disappear, Stop, Direction, Dwell, Speed, Unauthorized Access, Counting Line, Color Filter, Object Classification
VCA Features	- Up to 20 Onscreen Counter Displays - Counting-Line for accuracy people and vehicle counting with local database and reporting service - VCA calibration via 3D tools for right object size detection - Several definable object class to include into the detection rules for the VCA alarm - 10 colors in total to distinguish objects by color - People tracking mode to tracks individuals separately among overlapped multiple people - Heatmap Report shows relative crowd density of the 24 hour period (criterion: midnight)
Logical Rules	Extension of alarm rules using logical operators (AND, OR..) for the VCA detection filters of created zones / lines

* If VCA is activating, frame rate is limit to max15fps@1080p.

Dimension   RC1302SV   (Unit: mm)

75,0   60,0   125,0

RC1302SV-7211

Standard Camera   RC1302SV

■ Super Low Light Performance

With CCTV being expected to work effectively 24/7 regardless of lighting conditions, one of the key concerns for end-users is poor visibility at night time. The RC1302SV is able to capture superb quality images both during the day and in low light conditions. Equipped with a Sony STARVIS image sensor, the RC1302SV delivers brighter images compared to those captured by conventional Full HD IP cameras, enabling objects and people to be seen in greater detail.

■ Improved Performance of Video Analytics

RC1302SV's superior imaging functionality in low light conditions promotes the leading-edge video analytics to perform its best by eliminating the low light barrier that causes the video analytics engine to have difficulty detecting objects.