



**SPECIFICATION**

Model NO.	LIV90S100	LIV90S1130	LIV90S130	LIV90S200	LIV90SE200	LIV90SV200	LIV90SL200	LIV904XSL200	LIV90AL200	LIV90XA200	LIV90S300	LIV90S400	LIV904XS400	LIV90A400	LIV90S500
<b>Camera</b>															
Image Sensor	OV9732	S3130	IMX225	IMX323	IMX323	OV2718	IMX290	IMX290	IMX290	IMX322	IMX123	OV4689	OV4689	OV4689	IMX178
Main processor	HI3518EV200	HI3518EV200	HI3518EV200	HI3516CV200	HI3518EV200	HI3516CV200	HI3516D	HI3516D	S3L33	S2L33	HI3516D	HI3516D	HI3516D	S2L55	HI3516A
Resolution	720P	960P	960P	1080P	1080P	1080P	1080P	1080P	1080P	1080P	3MP	4MP	4MP	4MP	5MP
Effective Pixels	1280(H)*720(V)	1280(H)*960(V)	1305(H)*977(V)	1985(H)*1105(V)	1920(H)*1080(V)	1920(H)*1080(V)	1945(H)*1097(V)	1945(H)*1097(V)	1945(H)*1097(V)	1984(H)*1225(V)	2065(H)*1553(V)	2688(H)*1520(V)	2688(H)*1520(V)	2688(H)*1520(V)	2592(H)*1944(V)
Compression	H.264/JPEG/AVI/MJPEG	H.264/JPEG/AVI/MJPEG	H.264/JPEG/AVI/MJPEG	H.264/JPEG/AVI/MJPEG	H.264/JPEG/AVI/MJPEG	H.264/JPEG/AVI/MJPEG	H.264/H.265/JPEG/AVI/MJPEG	H.264/H.265/JPEG/AVI/MJPEG	H.264/H.265/JPEG/AVI/MJPEG	H.264/JPEG/AVI/MJPEG	H.264/H.265/JPEG/AVI/MJPEG	H.264/H.265/JPEG/AVI/MJPEG	H.264/H.265/JPEG/AVI/MJPEG	H.264/JPEG/AVI/MJPEG	H.264/H.265/JPEG/AVI/MJPEG
TV System	PAL/NTSC														
Electronic Shutter Time	Auto: PAL 1/25-1/10000Sec; NTSC 1/25-1/10000Sec														
S/N Ratio	≥52dB														
Scanning System	Progressive														
Video Output	Network														
Focus Length	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm	3.6mm
Focus Control	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Auto	Manual	Auto	Manual	Manual	Auto	Manual	Fixed
Lens Type	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Auto	Manual	Auto	Manual	Manual	Auto	Manual	Fixed
Pixels	2MP	2MP	2MP	3MP	3MP	3MP	3MP	3MP	3MP	3MP	3MP	5MP	5MP	5MP	6MP
<b>Night Vision</b>															
Infrared LED	42 x 6PCS														
Infrared Distance	60M														
IR Status	Under 10 Lux By CDS														
IR Power On	CDS Auto Control														
<b>Network</b>															
Ethernet	RJ-45 (10/100Base-T)														
Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, SMTP														
ONVIF	Support ONVIF 2.4														
P2P	YES, Support QR Code														
POE	Optional, Support IEEE 802.3af														
WIFI	N/A														
Video Delay	0.3S (Within the Lan)														
Main Stream 1	1280*720@25fps	1280*960@25fps	1280*960@25fps	1920*1080@25fps	1920*1080@15fps	1920*1080@25fps	1920*1080@30fps	1920*1080@30fps	1920*1080@30fps	1920*1080@30fps	2048*1536@30fps	2560*1440@20fps	2560*1440@20fps	2560*1520@20fps	2592*1944@30fps
Main Stream 2	/	1280*720@25fps	/	/	/	/	/	/	/	/	1920*1080@30fps	2304*1296@30fps	2304*1296@30fps	2048*1520@20fps	2048*1520@30fps
Main Stream 3	/	/	/	/	/	/	/	/	/	/	/	1920*1080@30fps	1920*1080@30fps	1920*1080@20fps	1080@30fps
Sub Stream 1	720*480@25fps	720*480@25fps	720*480@25fps	720*480@25fps	720*480@15fps	720*480@25fps	720*480@30fps	720*480@30fps	720*576@30fps	720*576@30fps	720*480@30fps	720*480@20fps	720*480@20fps	720*480@20fps	720*480@30fps
Sub Stream 2	/	/	/	/	/	/	/	/	720*480@30fps	720*480@30fps	/	/	/	640*360@20fps	/
Sub Stream 3	/	/	/	/	/	/	/	/	640*360@30fps	640*360@30fps	/	/	/	/	/
Tri Stream	352*288@25fps	/	/	352*288@25fps	352*288@15fps	352*288@25fps	352*288@30fps	352*288@30fps	352*288@30fps	352*288@30fps	352*288@30fps	352*288@20fps	352*288@20fps	352*288@20fps	352*288@30fps
IE Brower	IE8-11, Google Chrome, Firefox, Safari, Mac Safari														
Smart Phone	iPhone, iPad, Android, Android Pad														
<b>Camera Features</b>															
Day/Night	Color/ B&W (IR-CUT)														
Image Config	Saturation/Brightness/Contrast/Sharpness, Mirror, 3D NR, White Balance, FLK(Flicker Control)														
Corridor Pattern	/	/	/	/	/	/	Support	Support	/	/	Support	Support	Support	/	Support
Defog Mode	Support	Support	Support	Support	Support	Support	Support	Support	/	/	Support	Support	Support	/	Support
ROI	Support	Support	Support	Support	Support	Support	Support	Support	/	/	Support	Support	Support	/	Support
BLC	Support	Support	Support	Support	Support	Support	Support	Support	/	/	Support	Support	Support	/	Support
HDR	/	/	/	/	/	/	/	/	Support	/	Support	/	/	Support	/
WDR	Support														
Motion Detection	Support														
Privacy Masking	3 Rectangular Zone														
Recording Mode	NVR/NAS/CMS/Web														
Language	Chinese Simplified, Chinese Traditional, English, Bulgarian, Polish, Farsi, German, Russian, French, Korean, Portuguese, Japanese, Turkish, Spanish, Hebrew, Italian, Nederlands														
<b>General</b>															
Housing	Metal, IP66														
Anti-cut Bracket	YES														
IR Cut Filter	YES														
Operation Temperature	-20℃ ~ +60℃ RH95% Max														
Storage Temperature	-20℃ ~ +60℃ RH95% Max														
Power Source	DC12V±10%, 1000mA														
Dimension	220(W) x 80(H) x 80(D)mm														
Weight	1400g														