

# i3 SERVER COMPARISON REFERENCE GUIDE



## i3 SRX-Pro Servers

	Veol6p	U12	U20	U30	UR5	URX
Image (not to scale)						
<b>Hardware Configuration</b>						
Chassis type	2U	1.5U	2U	3U	4.5U	
Mounting options	Rack-mount, included	Rack-mount, included	Rack-mount, included	Rack-mount, included	Wall-mount, optional Rack-mount, optional	
Physical dimensions (WxDxH inches/mm)	17 x 14½ x 3½" 430 x 367 x 88 mm	17¾ x 15¾ x 2¾" 440 x 390 x 70 mm	17¾ x 17¾ x 3½" 440 x 440 x 90 mm	17¾ x 20 x 5¼" 440 x 508 x 133 mm	18 x 13 x 7¾" 456 x 330 x 197mm	
Min. weight (lbs/kg)	11.0 lbs / 5.0 kg	11.0 lbs / 5.0 kg	23.75 lbs / 10.77 kg	29.25 lbs / 13.27 kg	29.25 lbs / 13.27 kg	
Motherboard type	Embedded MB	Embedded MB	DFI server-grade MB	DFI server-grade MB	DFI server-grade MB	
CPU	Embedded	Celeron	Intel-i5	Intel-Xeon	Intel-i5	Intel-Xeon
RAM	Embedded	4GB	8GB	8GB	8GB	
Power supply	DC12V, Adaptor, 7.5A	300W	400W	600W	400W	600W
Graphics (video) card	On-board	On-board	On-board	On-board	On-board	
Graphics (GPU) card	N/A	N/A	N/A	N/A	N/A	
Video outputs	2 (VGA, HDMI)	3 (VGA, HDMIx2)	3 (VGA, DVI-D, DP++)	3 (VGA, DVI-D, DP++)	3 (VGA, DVI-D, DP++)	
On-board audio	Audio In: 16 ch (10KΩ, 2.8 Vpp)   Audio Out: 1 ch (600Ω, 2.8 Vpp)	On-board: Line In/Line Out	On-board: Line In/Line Out	On-board: Line In/Line Out	On-board: Line In/Line Out	
On-board NIC	2	2	2	2	2	
DVD/CD	Yes	Yes	Yes, slim			
Operating System	Linux	Win10EL	Win10VA	Win10HE	Win10VA	Win10HE
Operating system drive	Embedded	mSATA	m.2 SSD OS	m.2 SSD OS	m.2 SSD OS	
Keyboard & Mouse	Mouse only	Yes	Yes	Yes	Yes	
No. of controls/sensors	8/18	4/16	N/A (upgradable to 64/64 using 16x UI08)			
Power input	100-200 VAC, 50-60Hz	100-240 VAC, 50-60 Hz, (auto switch)				
Power consumption	42W	210W	150W	260W	150W	260W
PoE, built-in	N/A	16 Ch PoE 150W	N/A	N/A	N/A	
Operating temperature	20-25°C / 68-77°F					
Relative humidity	< 80%, non-condensing					
<b>Video Storage Configuration</b>						
Removable HDD storage	N/A	N/A	1 x SBB31	up to 2 x SBB41	N/A	
Max. # of storage HDDs	4	2	3	8	2	
Maximum unformatted storage capacity (JBOD)	4 x 10TB = 40TB	2 x 10TB = 20TB	3 x 18TB = 54TB	8 x 18TB = 144TB	2 x 18TB = 36TB	
<b>Video Configuration</b>						
Max. # of video inputs	16 (CVBS/HD-TVI/IP)	16	48	64	32	64
Max. # of 360° fisheye video inputs	N/A	1	≤ purchased IP licenses			
Analog video support	Yes	Yes, via HR16v2 encoder	Yes, via HR16v2 encoder			
Compression type	h.264	h.265 / h.264 / MPEG4 / MJPEG, selectable	h.265 / h.264 / MPEG4 / MJPEG, selectable			
Screen display	1, 4, 9, 16 (selectable)	1, 4, 9, 10, 13, 16 (selectable)	1, 4, 9, 10, 13, 16, 25, 36, 64 (selectable)			
<b>Software Configuration</b>						
Remote Viewing	Internet Explorer, Veo App (iOS/Android)	Video Pilot Client (thick client), CMS Web Video Streaming (thin client), SRX-Pro Mobile App (iOS/Android), CMS Mobile (iOS/Android)				
Max. # of remote connections	10	3	50			
Max. # of remote backup sessions	10	3	5			
Max. # of PACDM channels. Serial/TCP/IP	N/A	8 Serial / 8 TCP/IP	8 Serial / 16 TCP/IP			
Max. # of dDisplay monitors	N/A	N/A	2			
CMS Health Monitoring	N/A	Optional	Optional			
Max. # of Area Alarm/AiSearch/Heatmap/Color Search	N/A	N/A	N/A			
Max. # of Door Count/ Traffic & Dwell / Area Count channels (i3Ai)	N/A	N/A	N/A			
Max. # of social distancing chnls	N/A	N/A	N/A			
<b>Certifications / Warranty</b>						
Certifications	FCC / CE	UL / ULc / FCC / CE				
Warranty	3-year parts & labor					



## i3Ai/SRX-Pro Servers

	U3i	UR5-Ai	URX-Ai
Image (not to scale)			
<b>Hardware Configuration</b>			
Chassis type	3.5U	4.5U	
Mounting options	Rack-mount, included	Wall-mount, optional Rack-mount, optional	
Physical dimensions (WxDxH inches/mm)	17¾ x 20 x 5¼" 440 x 508 x 148 mm	18 x 13 x 7¾" 456 x 330 x 197mm	
Min. weight (lbs/kg)	29.25 lbs / 13.27 kg	29.25 lbs / 13.27 kg	
Motherboard type	DFI server-grade MB	DFI server-grade MB	
CPU	Intel-Xeon	Intel-i5	Intel-Xeon
RAM	8GB	8GB	
Power supply	600W	600W	600W
Graphics (video) card	On-board	On-board	
Graphics (GPU) card	High-range	Mid-range	High-range
Video outputs	3 (VGA, DVI-D, DP++)	3 (VGA, DVI-D, DP++)	
On-board audio	On-board: Line In/Line Out	On-board: Line In/Line Out	
On-board NIC	2	2	
DVD/CD	Yes, slim	Yes, slim	
Operating System	Win10HE	Win10VA	Win10HE
Operating system drive	m.2 SSD OS	m.2 SSD OS	
Keyboard & Mouse	Yes	Yes	
No. of controls/sensors	N/A (upgradable to 64/64 using 16x UI08)		
Power input	100-240 VAC, 50-60 Hz, (auto switch)		
Power consumption	380W	270W	380W
PoE, built-in	N/A	N/A	N/A
Operating temperature	20-25°C / 68-77°F		
Relative humidity	< 80%, non-condensing		
<b>Video Configuration</b>			
Removable HDD storage	up to 2 x SBB41	N/A	
Max. # of storage HDDs	8	2	
Maximum unformatted storage capacity (JBOD)	8 x 18TB = 144TB	2 x 18TB = 36TB	
<b>Video Configuration</b>			
Max. # of video inputs	N/A	N/A	
Max. # of 360° fisheye video inputs	N/A	N/A	
Analog video support	Yes, via HR16v2 encoder	Yes, via HR16v2 encoder	
Compression type	h.265 / h.264 / MPEG4 / MJPEG, selectable		
Screen display	1, 4, 9, 10, 13, 16, 25, 36, 64 (selectable)		
<b>Software Configuration</b>			
Remote Viewing	Video Pilot Client (thick client), CMS Web Video Streaming (thin client), SRX-Pro Mobile App (iOS/Android), CMS Mobile (iOS/Android)		
Max. # of remote connections	50		
Max. # of remote backup sessions	5		
Max. # of PACDM channels. Serial/TCP/IP	8 Serial / 16 TCP/IP		
Max. # of dDisplay monitors	2		
CMS Health Monitoring	Optional		
Max. # of Area Alarm/AiSearch/Heatmap/Color Search	9	4	9
Max. # of Door Count/ Traffic & Dwell / Area Count channels (i3Ai)	5	2	5
Max. # of social distancing chnls	20	10	20
<b>Certifications / Warranty</b>			
Certifications	UL / ULc / FCC / CE		
Warranty	3-year parts, 1 year labor		



## VPM Console

	U3C
Image (not to scale)	
<b>Hardware Configuration</b>	
Chassis type	3U
Mounting options	Rack-mount, included
Physical dimensions (WxDxH inches/mm)	17¾ x 20 x 5¼" 440 x 508 x 133 mm
Min. weight (lbs/kg)	29.25 lbs / 13.27 kg
Motherboard type	DFI server-grade MB
CPU	Intel-Xeon
RAM	8GB
Power supply	600W
Graphics (video) card	On-board
Graphics (GPU) card	N/A
Video outputs	6 (mini DisplayPort)
On-board audio	On-board: Line In/Line Out
On-board NIC	2
DVD/CD	Yes, slim
Operating System	Win10HE
Operating system drive	m.2 SSD OS
Keyboard & Mouse	Yes
No. of controls/sensors	N/A
Power input	100-240 VAC, 50-60 Hz, (auto switch)
Power consumption	330W
PoE, built-in	N/A
Operating temperature	20-25°C / 68-77°F
Relative humidity	< 80%, non-condensing
<b>Video Configuration</b>	
Max. # of live video channels	180
Max. # of search video channels	20
Max. # of monitor outputs	6
Compression type	N/A
Screen display	1, 4, 6, 9, 12, 16, 20, 25, 30 (selectable)
<b>Software Configuration</b>	
Remote Viewing	Video Pilot Matrix Console (thick client)
<b>Certifications / Warranty</b>	
Certifications	UL / ULc / FCC / CE
Warranty	3-year parts, 1 year labor