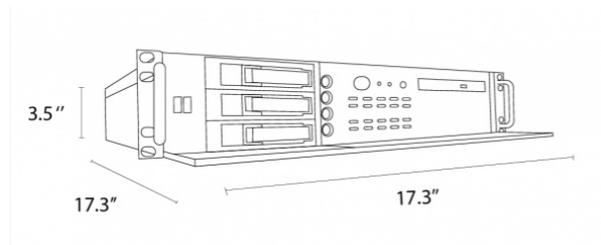# U20 SRX-Pro NVR Server

The U20 rack-mount chassis is made for durability and versatility. Its long life-cycle industrial motherboard is one its key benefits. The U20 SRX-Pro NVR Server features is 2U rack-mount chassis designed to handle multiple IP cameras and excellent data retention: it comes with 3 SATA hard drives bays. Each bay supports one 3.5" SATA hard drive of up to 14TB for a maximum of up to 42TB of video storage for outstanding video retention. Windows 10 IoT operating system comes on a Solid State Drive for added stability and fast boot-up times. Running on Intel i5 CPU, the U20 SRX-Pro NVR Server powers all its components with a 400W power supply.

The 2 NICs allow you to keep your IP cameras on a separate network via a Gigabit switch, such as i3 's S243 or S81, while accessing the Internet through the second NIC without impeding your network.

For video backup use the slim DVD recorder or the USB (on the front panel) for easy-to-use external USB storage.

U20 comes preloaded with i3 's flagship SRX-Pro software and offers both the compact design and versatility at the same time.

For even longer video retention or recording capacity, i3 's iS416 external hard drive device can be purchased.

Hardware Configuration	
DVD/CD	Yes
Operating System	Windows 10 IoT
Operating System Drive	Solid State Drive OS
Keyboard & Mouse	Yes
Number of Control Outputs / Sensor Inputs	NA (upgradable to 64 / 64 using 16 x UIO8)
Analog Video Support	Yes, via HR16
Power Input	100-240 VAC, 50-60 Hz, (auto switch)
Chassis Type	U20 Series Rack/Wall mount, 2U
Power Consumption	150 Watts
Physical dimensions (LxWxH inches/mm)	17 ⅜, 17 ⅜, 3½ / 440mm x 440mm x 90mm
Built-in PoE	No
Min. Weight (lbs/kg)	22lbs / 10kg
Operating Temperature	20°C - 25°C (68°F - 77°F)
Motherboard Type	DFI
On-board Audio Card	Line In/Line Out/Mic
CPU	Intel - i5
Relative Humidity	< 80%, non-condensing
RAM	8GB
Power Supply	400 Watts
On-board Graphic Card	Yes
Connectivity (LAN/WAN)	2 X 1Gb/sec

Video Configuration	
360° Fisheye IP Inputs (Max)	≤number of purchased IP licenses
Backup Video Format	i3 Encrypted, AVI, BMP, or JPEG
Main Monitor Output	1 Display Port (4K), 1 DVI-D (1080p), 1 VGA (1080p)
Third Party IP Camera Support	www.i3international.com/partners
Analog Camera Inputs (Max) via HR16	1 ~ 48 (Max combination of licences Analog or IP 64 channels)
IP Camera Inputs (Max)	1 ~ 48 (Max combination of licences Analog or IP 64 channels)
Highest Model Number (w/o analog support)	BP0048
Highest Model Number (w/ analog support)	BP4800
Types of Compression	Selectable h.264 / MJPEG
Screen Display	1, 4, 9, 10, 13, 16, 25, 36, 64 (selectable)

Software Configuration	
Number of PACDM channels. Serial / TCP/IP	None (upgradable to 8 Serial / 16 TCP/IP)
Number of dDisplay channels	None (upgradable to 2)
Remote Viewing	IE 6.0 or higher, Video Pilot Client, SRX-Pro Remote & SRX-Pro Player
Pre-alarm/Post-alarm Recording	Yes
Emergency Frame Rate Recording	Yes
Recording Modes	Time/Date - with time zone ref., sensor, motion detection, continuous, analytics

Warranty / Certifications	
Certifications	UL / ULc / FCC / CE
Warranty	3-year parts, 1 year labor

Video Storage Configuration	
Maximum Number of HDD	3 (i3-approved WD models only)
SBB3 SATA Expansion	1 x SBB3
Maximum Hard Drive Capacity, unformatted	42TB (i3-approved WD models only)

RELATED PRODUCTS

AX46DC
Ax46DC Door Count Camera

CMS-HMAP
Yearly Heatmap per Server

HDD1
HDD1 - 1TB WD Ultrastar Hard Drive

HDD10
HDD10 - 10TB WD Ultrastar Hard Drive

HDD12
HDD12 - 12TB WD Ultrastar Hard Drive

HDD14
HDD14 - 14TB WD Ultrastar Hard Drive

HDD18
HDD18 - 18TB WD Ultrastar Hard Drive

HDD4
HDD4 - 4TB WD Ultrastar Hard Drive

HDD6
HDD6 - 6TB WD Ultrastar Hard Drive

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