RM7X Remote Monitor

2 Monitor   **4 Monitor**

The Avigilon Remote Monitoring lineup offers a simple and easy way to bring high-resolution video monitoring to new and existing systems. Optimized to support ACC Client workloads, these pre-provisioned are quick to deploy and reliable in the field.

Features

Tested Performance
The Avigilon Workstation lineup has been stress tested through various component combinations for the highest performance for ACC Client workloads.

Easy Recovery
A purpose-built and turnkey solution that is simple and secure for Security and IT teams to deploy.

Small Form Factor
Its streamlined size and design reduces hardware footprint for space-constrained areas, while still serving as an all-in-one workstation that is able to record and monitor video.

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Specifications

Video Playback Performance‡	RM7X-WKS-4MN	RM7X-WKS-2MN
2 MP @ 30 fps	22 Primary Streams + 14 Secondary Streams	18 Primary Streams
4 MP @ 30 fps	22 Primary Streams + 14 Secondary Streams	18 Primary Streams
8 MP @ 30 fps	4 Primary Streams + 32 Secondary Streams	4 Primary Streams + 14 Secondary Streams
16 MP @ 24 fps	2 Primary Streams + 34 Secondary Streams	2 Primary Streams + 16 Secondary Streams
61 MP @ 7 fps	6 Primary Streams + 30 Secondary Streams	4 Primary Streams + 14 Secondary Streams
Video Wall: 4 MP @ 30 fps†	144 secondary streams (6x6 streams on 4 monitors)	60 secondary streams (5x6 streams on 2 monitors)
Video Wall: 8 MP @ 30 fps†	80 secondary streams (4x5 streams on 4 monitors)	40 secondary streams (4x5 streams on 2 monitors)
Video Wall: 16 MP @ 24 fps†	80 secondary streams (4x5 streams on 4 monitors)	40 secondary streams (4x5 streams on 2 monitors)
Video Wall: 61 MP @ 7 fps†	224 secondary streams (7x8 streams on 4 monitors)	84 secondary streams (6x7 streams on 2 monitors)

‡ Primary streams are high resolution/bandwidth, secondary streams are low resolution/bandwidth.
† Video wall playback performance assumes minimal interaction with the ACC Client after initial setup. Testing was done with analytic bounding boxes disabled.

System		
Supported Monitor Interfaces	Combination of up to 4: mDP, DP, and HDMI (DP and HDMI adapters are supplied)	Combination of up to 2: DP, and HDMI (HDMI adapters are supplied)
Operating System	Microsoft Windows 11 IoT Enterprise LTSC (2024)	
Processor	Intel® Core™ i5 (12th Gen)	Intel® Core™ i5 12th Gen
Memory	32 GB DDR5 RAM	16G DDR5 RAM
OS Drive	M.2 256 GB PCIe NVMe Class 35 SSD	
Network Interface	I225-T1 1 1GbE and 1 2.5Gbe Ethernet Network Adapter	
Optical Drive	DVD-RW	
Graphics	NVIDIA T1000E (8GB)	Intel Integrated graphics
Warranty	Lifetime 24/7 Avigilon technical phone support and a 3x3x3 Warranty	

Mechanical	
Form Factor	Small form factor
Dimensions (WxDxH)	(Standard desktop orientation) 384 mm x 308 mm x 100 mm (15.1 in x 12.1 in x 3.95 in)
Weight	Starting at 13.1 lb

Electrical	
Power Input	90 to 264 VAC, 50/60 Hz, auto-switching
Power Supply	Single non-redundant
Power Consumption	300W

Environmental	
Operating Temperature	5° to 35° C (40° to 95° F) Maximum rate of change: 10°C/hr
Storage Temperature	Non-operating: -40° to 60° C (-40° to 140° F)
Humidity	Operating: 8% to 85% RH, non- condensing, 35° C maximum wet bulb Non-operating: 8% to 90% relative humidity, non-condensing, 35° C maximum wet bulb
Operating Vibration	0.5g (rms), 5-300 Hz, up to 0.0025g²/Hz Non-operating random: 2.0g (rms), 5-500 Hz, up to 0.0150 g²/Hz
Operating Shock	Operating: ½-sine: 40g, 2-3ms (~62 cm/sec) Non-operating: ½-sine: 160 cm/s, 2-3ms (~105g) square: 422 cm/s, 20g
Operating Altitude	Operating (with only Solid-State Drives): 5,000 m (16,404 feet) Non-operating: 12,192 m (40,000 feet) Maximum operating temperature is reduced as altitude increases.

Supplied Accessories	
RM7X-WKS-4MN	USB Keyboard, USB Mouse, Power cord, 4 mDP to DP adapters, 4 mDP to HDMI adapters†
RM7X-WKS-2MN	USB Keyboard, USB Mouse, Power cord, 2 DP to HDMI adapters†

†Monitor sold separately

Certifications	
Certifications/Approvals	UL, cUL, CE, UKCA, ROHS, RCM, KC, NOM, BSMI, CCC, NRCS, VCCI, CMIM, PSB
Safety Standards	UL/CSA/IEC/EN 62368-1
Electromagnetic Emissions Standards	FCC Part 15 Subpart B (Class B), ICES-003 (Class B), EN 55032 (Class B), EN 61000-3-2, EN 61000-3-3
Electromagnetic Immunity Standards	EN 55035

Ordering Information

Ordering Information	
RM7X-WKS-4MN	Avigilon remote monitoring workstation for up to 4 monitors†
RM7X-WKS-2MN	Avigilon remote monitoring workstation for up to 2 monitors†

†Monitor sold separately

RM7X-WKS-xMN-NA   RM7X-WKS-xMN-UK   RM7X-WKS-xMN-EU   RM7X-WKS-xMN-AU

Support

Learn more and find additional documentation at **avigilon.com** or email **sales@avigilon.com** for specific product support

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