

RM7X

Workstation

2 MN | 4 MN



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 units are quick to deploy and reliable in the field.



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.



MOTOROLA SOLUTIONS



Compliant with NDAA 2019
Section 889

Performance

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 (6×6 streams on 4 monitors)	60 secondary streams (5×6 streams on 2 monitors)
Video Wall: 8 MP @ 30 fps†	80 secondary streams (4×5 streams on 4 monitors)	40 secondary streams (4×5 streams on 2 monitors)
Video Wall: 16 MP @ 24 fps†	80 secondary streams (4×5 streams on 4 monitors)	40 secondary streams (4×5 streams on 2 monitors)
Video Wall: 61 MP @ 7 fps†	224 secondary streams (7×8 streams on 4 monitors)	84 secondary streams (6×7 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.		

Specifications

System	RM7X-WKS-4MN	RM7X-WKS-2MN
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)	
Memory	32 GB DDR5 Memory	16 GB DDR5 Memory
OS Drive	M.2 256 GB PCIe NVMe Class 35 SSD	
Network Interface	I225-T1: 1 × 1 GbE and 1 × 2.5 GbE Ethernet Network Adapter	
Optical Drive	DVD-RW	
Graphics	NVIDIA T1000E (8 GB)	Intel Integrated graphics
Warranty	Lifetime 24/7 Avigilon technical phone support and a 3x3x3 Warranty	

Mechanical	
Form Factor	Small form factor
Dimensions (H × W × D)	(Standard Desktop Orientation) 100 mm × 308 mm × 384 mm; 4.0" × 12.1" × 15.1"
Weight	Starting at 13.1 lb

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 0.0025 g²/Hz. Non-operating random: 2.0g (rms), 5–500 Hz, up to 0.0150 g²/Hz
Operating Shock	Operating: ½-sine: 40g, 2–3 ms (~62 cm/sec). Non-operating: ½-sine: 160 cm/s, 2–3 ms (~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.

Mechanical	
Form Factor	Small form factor
Dimensions (D × W × H)	(Standard desktop orientation) 384 mm × 308 mm × 100 mm (15.1 in × 12.1 in × 3.95 in)
Weight	Starting at 13.1 lb
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
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 [†]

Ordering Information

Part Number	
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. Regional power-cord variants: RM7X-WKS-xMN-NA, RM7X-WKS-xMN-UK, RM7X-WKS-xMN-EU, RM7X-WKS-xMN-AU.	

RM7X-WKS-xTB-NA



RM7X-WKS-xTB-UK



RM7X-WKS-xTB-EU



RM7X-WKS-xTB-AU



Support

For product support, visit: [avigilon.com](https://www.avigilon.com) or sales@avigilon.com



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