

ATMR 700 series Analog TV Monitoring Receiver



ATMR: the top quality QoS monitoring solution for analog TV transmission

ATMR: the top quality QoS monitoring solution for analog TV transmission ATMR is an indispensable tool to keep under control the quality of your Analog Television Transmitter(s). It continuously checks the Quality of Service (QoS) of up to 8 TV programmable channels, switching through any TV band (VHF low, VHF high and UHF). Among the many signals measured, you'll find the RF level, sync tip level, burst flag level, audio average, audio peak, offset frequency, and many more. ATMR is manufactured for any analog TV system (NTSC or PAL + SECAM). The card supplies also a video and audio output monitor and performs clever monitoring: detects audio loss, sync loss, video dark, etc.. When the ATMR is connected to the RDF unit, two additional real time specialized features are available:

- Real time monitoring of one or more channels: ATMR works as a watchdog on one or more specified channels; all parameters are monitored and sent to the RDF that will report to the control-center in case of out-of-threshold readings
- Real time monitoring of the whole TV spectrum: This specialized function will only report the presence of channels. In other words, if suddenly a channel (that was there shortly before) disappears, or if a channel that wasn't detected, suddenly pops up, it will be reported



SPECIFICATIONS

Dimensions

Length	19"
Height	1U
Depth	380 mm 15" (powered) 300 mm 11.8" (unpowered)
Weight	6Kg 13.22lb (powered) 3Kg 6.61lb (unpowered)

Power

Redundant Requirements	220/110 VAC - 5VA max 12V ± 10% - 260mA max (unpowered)
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I/O Range

Dynamic Range	-40 ÷ 0 dBm (67 ÷ 107 dBuV/m)
TV system	NTSC or PAL + SECAM television systems
TV band	VHF-L, VHF-H, UHF
Protocol	RPTC Option ANTLAN® Option SNMP

I/O Connectors

RF Inputs	BNC
Outputs	9-pole female on front: RS232 real-time readings and PC connection 9-pole male on back: RS485 real-time readings RCA 1/8": Audio monitoring BNC: Video monitoring

Miscellaneous

Read-outs RF level, Average picture level, White peak level, Burst flag level, Sync tip level, Audio average level, Audio peak detection, Frequency offset readout (respect to video carrier)

Alarms Audio silence alarm, Video silence (black) alarm, RF silence alarm, Modulation absence (CW). When connected to the RDF, any alarm has up to 2 settable thresholds

ORDERING CODES

ATMR-700N	Analog TV Monitoring Receiver for NTSC, RDF interface
ATMR-700NW	Analog TV Monitoring Receiver for NTSC
ATMR-700P	Analog TV Monitoring Receiver for PAL, RDF interface
ATMR-700PW	Analog TV Monitoring Receiver for PAL