

Multifunction Monitor

Handheld Camera Setup Monitor

Features

- 3.5-inch Color LCD Touch Panel monitor with QVGA resolution
- Zoom function for precise focusing of IP cameras
- IEEE 802.3af PSE function to directly power IP camera
- Supports most Siquira® cameras/codecs and many 3rd-party IP cameras
- IP PTZ control for Siquira cameras
- Saves snapshots to internal memory, MicroSD or USB memory
- NTSC/PAL analog video in / out
- RS-485 interface for PTZ control, multi protocol support
- UTP cable test
- Audio in / Speaker out
- High capacity Lithium battery



Description

The Siquira® Multifunction Monitor (MFM) combines an analog video tester, PTZ camera controller, and IP digital video tester into a single handheld and easy-to-use device. Its ultra-bright, high-resolution 3.5” color LCD touch screen and its many useful functions for analog and IP applications make the Multifunction Monitor an ideal tool for installers and field technicians. It eliminates the need to balance on a ladder with a laptop or, alternatively, use a remote PC to check the camera’s field of view and video quality.

Working with the Multifunction Monitor, camera adjustments can be made conveniently and efficiently.

Widest Supported Camera Range

The Multifunction Monitor supports a wide range of both analog PTZ cameras as well as IP Cameras. Using UPnP discovery, the MFM can auto-detect and connect to all Siquira equipment in the same domain and can even control Siquira network PTZ cameras, in addition to multiple third-party cameras. With its ONVIF compatibility, the MFM is a true Open System support tool.

Powering

Its rechargeable battery provides the Multifunction Monitor with up to three hours of operation time. The MFM can power cameras that support Power over Ethernet (PoE). The standard car-charger accessory enables recharging the MFM between sites. An optional power pack is also available.

Test Functions

In addition to its video testing functionality, the Multifunction Monitor is equipped with a phone jack that allows the user to test for audio, if available. Use the included Cat 5 loopback connector to verify the integrity of UTP cables.

Connections

The Multifunction Monitor connects to IP devices via RJ-45 and to analog devices via BNC. The MFM can also test the Siquira® xSD62x series PTZ dome cameras with the SFP interface. A copper SFP can be used to verify proper installation before connecting the camera to a fiber network.

Ordering Information

Models

MFM-1
MFM-PP

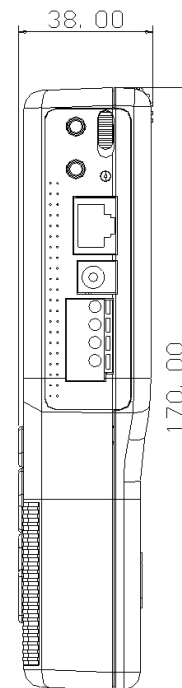
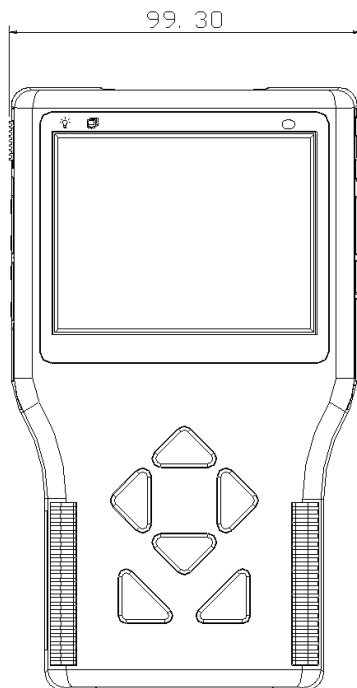
Description

Multifunction Monitor, Installation Tool, IP and Analog cameras
External Power Pack for the Multifunction Monitor

Multifunction Monitor

Technical specifications

Handheld Camera Setup Monitor



Audio/Video

Field display	Color, 3.5", 320 x 240 pixels
Video input	BNC x 1
Video signal format	NTSC / PAL
Video level	1 Vpp, 140 IRE
Video output format	BNC x 1
Video output signal	Video Bypass & Color Patterns x 8
Audio Input	Line-in
Audio Output	Built-in Speaker, Phone Jack Ø3.5

Analog PTZ Camera

PTZ control	RS-485
RS-485 ports	R+, R-, T+, T
PTZ camera setting	Pan, Tilt, Zoom, Manual Focus, Auto
Supported protocols	Focus, Pelco D, Pelco P, AD422, DSCP, Panasonic_C, Panasonic_N, JVC, Fastrax2

IP Camera

Connection	RJ-45
UPnP-supported cameras/codecs	Siqura MD/MSD/HD/HSD series PTZ cameras, Siqura OSA codecs and servers including the S50, C50, S60E, and C60.
Other supported brands/protocols	ACTi, Arecont Vision, Axis, D-Link, DVTel, DynaColor, GE, IQinVision, Level One, ONVIF, Panasonic, Planet, Sanyo, Sony, Vivotek

Included Accessories

Wrist strap, carry case, car charger, CAT-5 loopback connector, BNC cable, stylus (removable), rubber sleeve, DC 12v adapter, UTP terminal block

Power Output

Input voltage	DC 12V, 3A
Battery type	2 x 3.7 V Li-Ion, 2000mAh
Charge cycle @ 80% capacity	>300
Charge time	3.5 hours
Operating time	3 hours
PoE (Bypass/Power bank device)	PoE LAN In (802.3af standard DC 48V in)

Power Bank

CAT5 Ethernet Pin Usage	1,2,3,6 Pin
Weight with Batteries	311 g /370 g
Battery Type	4 x 3.7 V Li-Ion, 2200mAh
Charge Cycle @ 80% capacity	> 300
Charge Time	3 hours
Operation Time	~8 hours
Operating Temperature	0°C to +70°C (+32°F to +158°F)
Dimension (h x w x d)	130 x 81 x 22 mm (5.1 x 3.2 x 0.9 in.)
Input Voltage	12VDC +/- 10%, 5A
Output Voltage	PoE 45-57V DC / 12VDC
Output Watt	Up to 25.5Watts

Mechanical

Dimension	99 x 38 x 170 mm (3.9 x 1.5 x 6.7 in.)
Weight (with batteries)	450g (0.99 lb.)

Other functions

PTZ data communication	RS-485
CAT-5 cable detection	Straight/Cross Cables, Open, Short, Miswire
USB	USB 2.0
SD card	SDHC supported



The quality management system utilized in the development, production, sales and support of this product is ISO 9001:2008 certified by LRQA.
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