M2000 Series

AI Camera Housing – AC24V input


M2000-I


M2000-IW



AETEK, a professional camera housing manufacturer, provides a series of rugged outdoor surveillance housings which are compatible with most of IP and analog box cameras in the market. The camera housings are constructed from cast aluminum to meet IP66/IP68, and IK10 standards. AETEK camera housings even support cameras equipped with wide-angle lenses or long-distant remote focus lenses.

The M2000 series powered by AC24V power input are professional models, all of them are equipped with window heater & blower. Additionally, more features such as side-opening alarm, adjustable sunshield, and an ITB (Illuminator Touch Board) which conceals the wiring for optional VAIR illuminator for long-ranged IP surveillance day & night.

The M2000 series is professional Web Smart camera housing, it allows you to control the wiper, IR, Water tank, heater, blower via the web UI interface easily and remotely.

Some models also offer a built-in wiper or -40°C cold start.

Features

- IP66 standard (M2000-IW, M2000-AIW)
- IP68 standard (M2000-I, M2000-AI)
- IK10 impact rated cast aluminum housing
- Heater & blower enable demisting / deicing for window
- Adjustable sunshield
- Side-opening alarm switch
- ITB (Illuminator Touch Board) snaps IR LEDs directly to the housing & conceals the wiring
- Accommodates box cameras equipped with wide-angle lenses & long-distance remote focus lenses (8-80 mm)
- Built-in wiper (M2000-IW, M2000-AIW)
- Camera heater supports cold start at -40°C (M2000-AI, M2000-AIW)

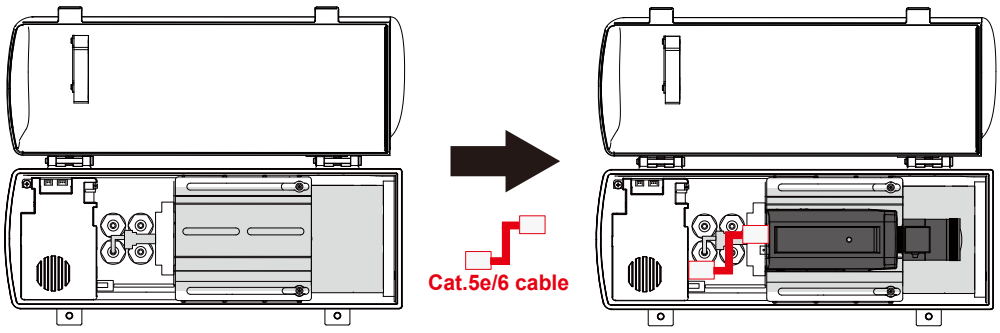


M2000-IW Camera housing + VR-481 VAIR LEDs + BK-101 Wall mount bracket concealing cable

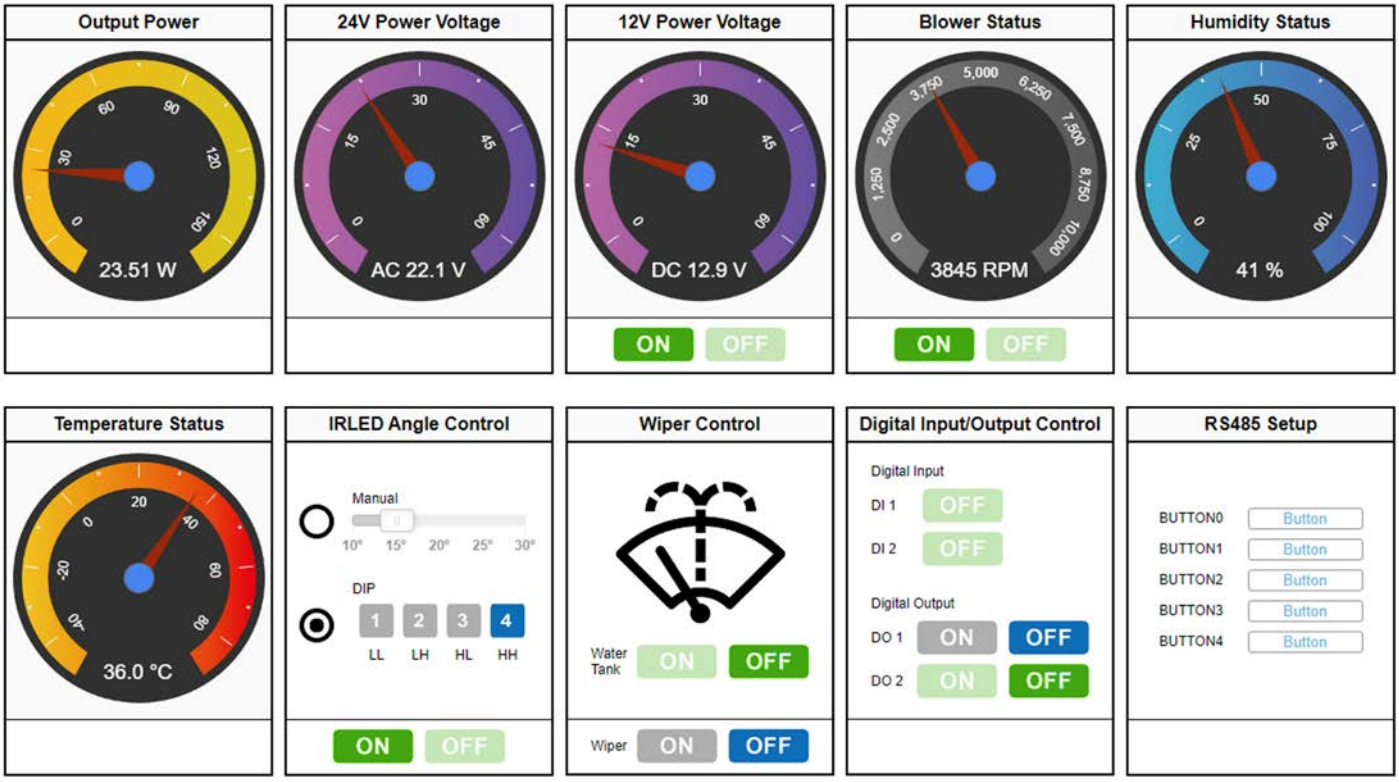


AXIS Q1635+ 8 – 80mm varifocal lens

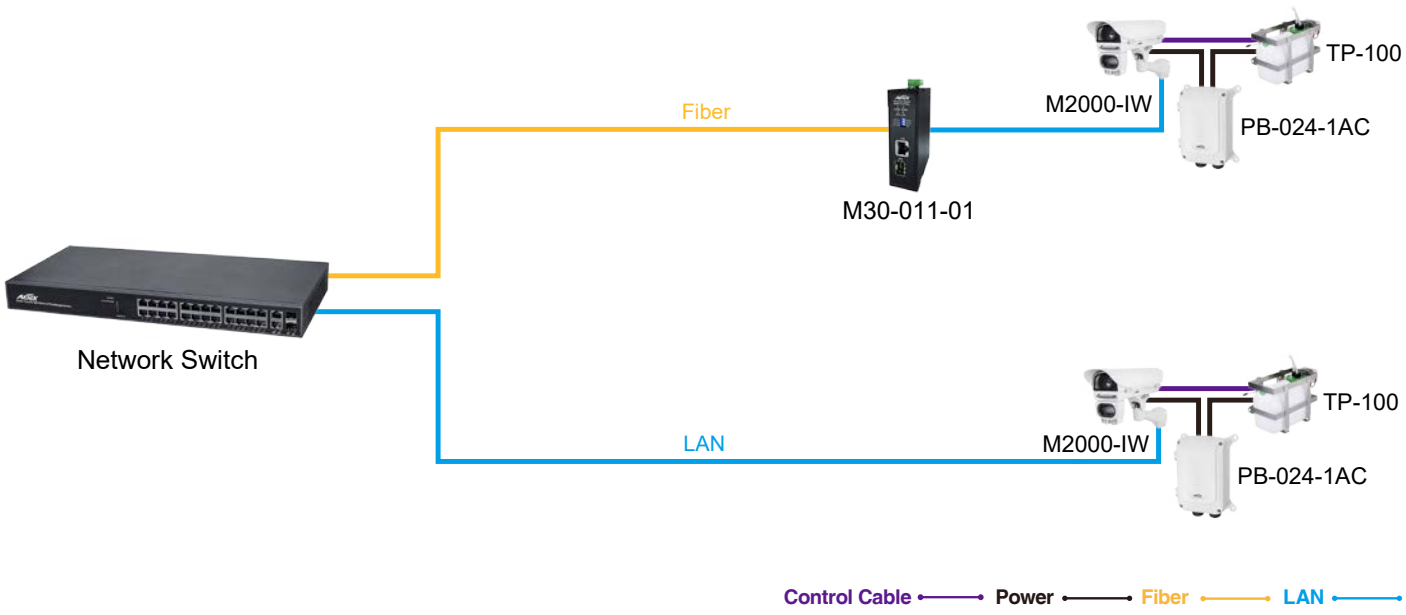
Plug-and-Play quick connection for IP box/brick camera inside smart camera housing



AI Camera Housing Managed UI



Application



M20 series Matrix Table

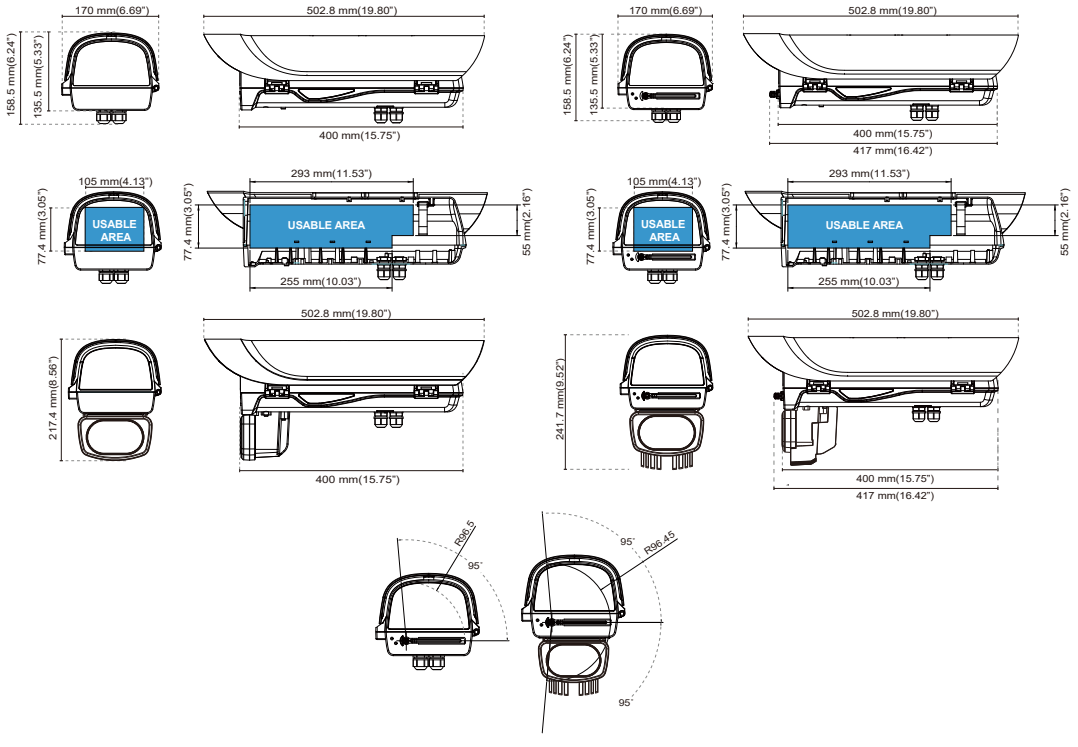
	AC24V in	Window Heater	Cold Start Heater (at -40°C)	Adjustable Sunshield	Blower	ITB for Optional 12W/24W/48W VAIR IR	Side-Opening Alarm	Wiper	IP66	IP68
M2000-I	v	v	-	v	v	v	v	-	-	v
M2000-AI	v	v	v	v	v	v	v	-	-	v
M2000-IW	v	v	-	v	v	v	v	v	v	-
M2000-AIW	v	v	v	v	v	v	v	v	v	-

Specifications

	M2000-I	M2000-AI	M2000-IW	M2000-AIW
Electrical Specifications				
Input Ethernet	1xGbE RJ45	1xGbE RJ45	1xGbE RJ45	1xGbE RJ45
Output Ethernet	1xGbE RJ45	1xGbE RJ45	1xGbE RJ45	1xGbE RJ45
Input Voltage	AC24V/6A	AC24V/6A	AC24V/6A	AC24V/6A
12VDC Output Power Budget	30W	30W	30W	30W
24VAC Output Power Budget	80W	100W	80W	100W
Power Consumption	Window Heater: 10W Blower: 2W Camera: 12W	Window Heater: 10W Cold Start Heater: 30W Blower: 2W Camera: 12W	Window Heater: 10W Blower: 2W Camera: 12W Wiper: 6W	Window Heater: 10W Cold Start Heater: 30W Blower: 2W Camera: 12W Wiper: 6W
Optional VAIR LEDs Power Consumption	VR-060 : 6W VR-120: 12W VR-241: 24W VR-481: 48W	VR-060 : 6W VR-120: 12W VR-241: 24W VR-481: 48W	VR-060 : 6W VR-120: 12W VR-241: 24W VR-481: 48W	VR-060 : 6W VR-120: 12W VR-241: 24W VR-481: 48W
Optional 10L Water Tank & Pump for P2000-IW & P2000-AIW	-	-	TP-100: 24V/12W	TP-100: 12W
Surge Protector	6KV	6KV	6KV	6KV
Environmental Specifications				
Operating Temperature*	-20°C ~ 65°C (-4°F ~ 149°F) -20°C ~ 50°C (w/IR LEDs)	-50°C ~ 65°C (-58°F ~ 149°F) -50°C ~ 50°C (w/IR LEDs) Cold Startup: -40°C (-40°F)	-20°C ~ 65°C (-4°F ~ 149°F) -20°C ~ 50°C (w/IR LEDs)	-50°C ~ 65°C (-58°F ~ 149°F) -50°C ~ 50°C (w/IR LEDs) Cold Startup: -40°C (-40°F)
Window Heater ON / OFF	≤ 30°C (86°F) ON ≥ 35°C (95°F) OFF	≤ 30°C (86°F) ON ≥ 35°C (95°F) OFF	≤ 30°C (86°F) ON ≥ 35°C (95°F) OFF	≤ 30°C (86°F) ON ≥ 35°C (95°F) OFF
Cold Start Heater ON/OFF	-	≤ 0°C (32°F) ON ≥ 5°C (41°F) OFF	-	≤ 0°C (32°F) ON ≥ 5°C (41°F) OFF
Blower ON / OFF	≥ 40°C (104 °F) ON ≤ 35°C (95 °F) OFF	≥ 40°C (104 °F) ON ≤ 35°C (95 °F) OFF	≥ 40°C (104 °F) ON ≤ 35°C (95 °F) OFF	≥ 40°C (104 °F) ON ≤ 35°C (95 °F) OFF
Weather Rating	IP68	IP68	IP66	IP66
Vandal Proof	IK10 Impact Rated on Cast Aluminum Housing	IK10 Impact Rated on Cast Aluminum Housing	IK10 Impact Rated on Cast Aluminum Housing	IK10 Impact Rated on Cast Aluminum Housing
Mechanical Specifications				
Body Construction	Cast Aluminum	Cast Aluminum	Cast Aluminum	Cast Aluminum
Body & Sunshield Weight	2.8 kg (6.17 lb)	2.8 kg (6.17 lb)	2.9 kg (6.39 lb)	2.9 kg (6.39 lb)
Cable Grants	M16 x 4	M16 x 4	M16 x 4	M16 x 4

* Inside camera specification must be within housing's operating temperature.

Dimensions



Accessories

Brackets

Wall Mount



BK-101
Wall Mount Bracket
Saftey Wire
Concealing Cable



BK-102
Wall Mount Bracket

Ceiling Mount



BK-200
J-type
Ceiling Mount Bracket



BK-201
Flexible J-type
Ceiling Mount Bracket

Standing Mount



BK-300
Standing Mount Bracket

Adapters

Pole Mount



AT-100
Pole Mount Adapter



AT-101
Pole Mount Adapter

Corner Mount



AT-200
Corner Mount Adapter

Fit



BK-101



BK-102

Junction Box

Wall Mount



JB-100
Junction Box

Fit



BK-101



BK-102



AT-100



AT-101



AT-200

Power Boxes

Outdoor Powe Box



PB-024-1AC
Outdoor Power Box

- IP67/IK10
- 115VAC / 230VAC Input
- AC24V/6A Output
- -40°C ~ 60°C

Outdoor Power Box / Junction Box



PB-024 –2AC
Outdoor Power/Junction Box

- IP67/IK10
- 115VAC / 230VAC Input
- AC24V/6A Output
- -40°C ~ 60°C

VAIR IR LEDs

VAIR IR LEDs



VR 120

- Snap Vair 10~40° IR LED, 12W



VR-241

- Snap Vair 10~30° IR LED, 24W

VR-481

- Snap Vair 10~30° IR LED, 48W

Water Tank & Pump

Water Tank & Pump



TP-100

- 10L Water Tank & Pump

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