

M2000 Series

AI Camera Housing – AC24V input



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)

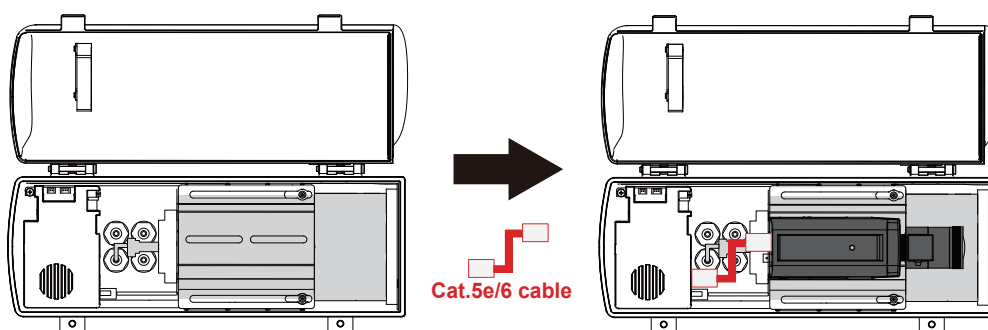


M2000-IW Camera housing + VR-481 VAIR LEDs + BK-101 Wall mount bracket concealing cable



AXIS Q1635+ 8 – 80mm varifocal lens

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

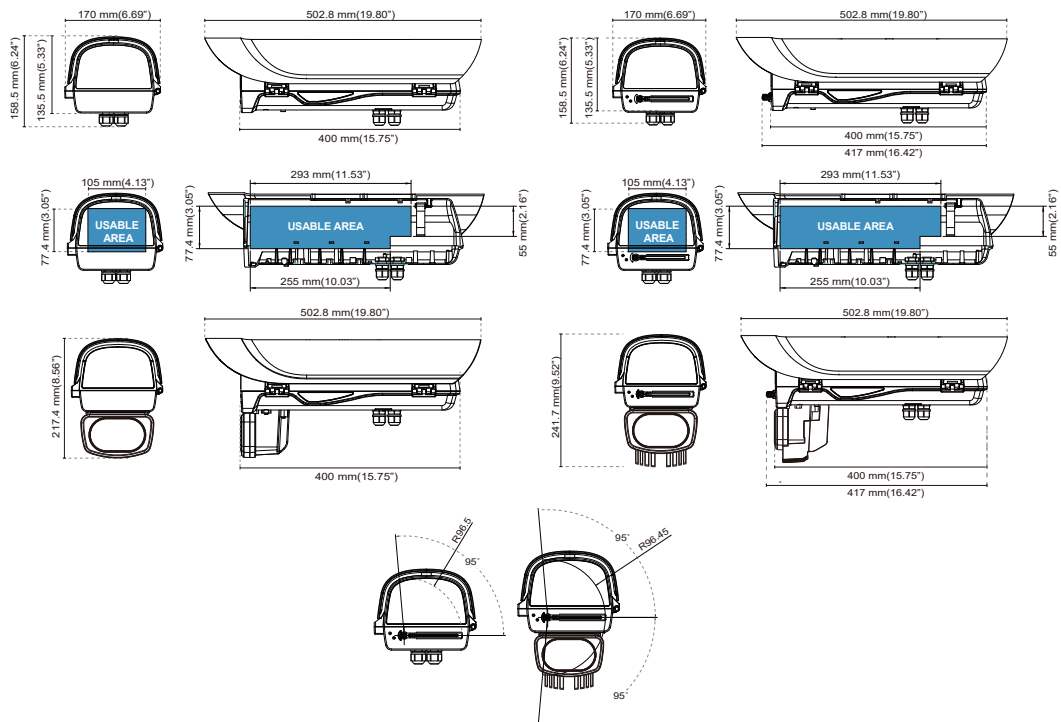


Specifications

| | 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) Wiper is functional at -10°C to + 60°C (14°F to 140°F) | -50°C ~ 65°C (-58°F ~ 149°F) -50°C ~ 50°C (w/IR LEDs) Cold Startup: -40°C (-40°F) Wiper is functional at -10°C to + 60°C (14°F to 140°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 | | Ceiling Mount | | Standing Mount |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| BK-101 Wall Mount Bracket Safety Wire Concealing Cable | BK-102 Wall Mount Bracket | BK-200 J-type Ceiling Mount Bracket | BK-201 Flexible J-type Ceiling Mount Bracket | BK-300 Standing Mount Bracket |

Adapters

| Pole Mount | | Corner Mount | Fit | Wall Mount | Fit |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  JB-100 Junction Box |  |
| AT-100 Pole Mount Adapter | AT-101 Pole Mount Adapter | AT-200 Corner Mount Adapter |  | |  |
| | | | | |  |
| | | | | |  |
| | | | | |  |

Power Boxes

| Outdoor Power Box | Outdoor Power Box / Junction Box |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|  |  |
| PB-024-1AC Outdoor Power Box • IP67/IK10 • 115VAC / 230VAC Input • AC24V/6A Output • -40°C ~ 60°C | 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 | | Water Tank & Pump |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| 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 | TP-100 • 10L Water Tank & Pump |