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2027 - 2028

MASSLOAD

財 榮 壓 鑄 股 份 有 限 公 司

Company Introduction





Since 1990

Massload is a family-owned manufacturer with decades of experience serving customers worldwide. From our roots in mechanical manufacturing, we have grown into an integrated manufacturing partner specializing in housings, brackets, and customized mechanical solutions for AI, networking, and electronic applications.

Our strength lies in vertically integrated manufacturing — from product development and tooling to die casting, CNC machining, surface treatment, and final assembly. This allows us to provide flexible customization while maintaining consistent quality and reliable production.

We may not always be the lowest-cost option, but we strive to be the partner you can rely on — delivering quality, flexibility, and manufacturing expertise behind your business.

OEM & ODM Service

Aluminum Die Casting



Massload operates 10 aluminum die-casting machines, ranging from 135T to 800T, including equipment from Toshiba and TOYO.
Our die-casting capabilities support parts up to 6.5 kg and 360 × 180 × 75 mm (14.17” × 7.08” × 2.95”), with a minimum part weight of approximately 2 g and wall thickness down to 1.2 mm, depending on part geometry and design requirements.
Machine Capacity
800T × 1 | 500T × 1 | 450T × 1 | 350T × 3 | 250T × 3 | 135T × 1
Supported Aluminum Alloys
ASTM: A356, A360, A380, A383
JIS: ADC1, ADC3, ADC6, ADC10, ADC12

CNC Machining Capabilities



Massload operates 13 CNC machining centers, including 3-axis, 4-axis, 5-axis, and APC (Automatic Pallet Changer) systems, with equipment from Brother Japan and other qualified machine brands.
Our CNC capabilities support precision machining, drilling, tapping, and prototype development for a wide range of metal and plastic components.
With integrated CNC machining capabilities, we provide high precision, consistent quality, and efficient production, with strict control of critical dimensions, hole positions, and thread specifications to meet customer requirements and international standards.

Surface Treatment & Coating

◆ Pre-treatment



We offer both spray and ultrasonic pre-treatment processes to support various metal materials and coating requirements. Following pre-treatment, parts can be finished with either powder coating or liquid painting based on customer specifications.

◆ Powder Coating



Our powder coating line is equipped with Yaskawa industrial robots and Gema coating systems from Switzerland, providing automated and consistent coating performance for stable production quality.

◆ Liquid Painting



Our liquid painting line is equipped with dry spray booths and Ransburg electrostatic coating systems, providing controlled and consistent finishing for products with demanding appearance and coating requirements.

OEM & ODM Service

Plastic Injection Molding Capabilities



Massload operates 4 plastic injection molding machines, including 120T × 1 and 180T × 3, supporting a wide range of plastic components for OEM/ODM applications.
We process various engineering plastics, including ABS, PC, PC+ABS, POM, and Nylon, with material options available to meet specific application requirements such as UV resistance, flame retardancy, and UL-rated materials.
Recyclable materials can also be supported based on customer requirements and product applications.

Stamping & Welding Capabilities





Massload supports aluminum, steel, and stainless steel stamping, with extensive experience in a wide range of metal forming applications.
With in-house tooling capabilities and over 30 years of manufacturing experience, we support progressive die stamping, multi-stage stamping, and various precision stamping processes, providing efficient tooling development and stable mass production.
We also provide welding and secondary processing services, enabling customers to integrate multiple metal fabrication processes through a single manufacturing partner.

Assembly



Massload provides in-house assembly and product integration services, supported by an established supply chain for components such as rubber parts, screws, washers, gaskets, cables, and other hardware accessories.
By integrating manufacturing, component sourcing, assembly, inspection, and packaging, we provide customers with a one-stop manufacturing solution, helping reduce supply chain complexity, shorten lead times, and maintain consistent quality from components to finished products.
Our flexible workforce and production capacity enable us to support both regular production and changing customer demand.

ANPR Housing



CI-708 new

Outdoor ANPR Enclosure

- Body Construction：Die-casting Aluminum
- Viewing Window：Tempered Glass
- Mounting Bracket：Cable Management Bracket (CI-800 or CI-816)
- Sunshade：Adjustable Aluminum construction
- Coating：Black Powder-Coated Body, Silver-Grey Sunshield
- Cable Entry：IP68 cable glands
- IR Illuminator (Optional)：30°/ 30M or Pulsed model for Global Shutter Application
- Heater (Optional)：10W or 20W
- Fan (Optional)：12VDC, 1.8W
- NVDIA Carrier Board (Optional)：With MIPI CSI-2, GPIO and Multiple I/O Interfaces
- Operating Temperature (With Heaters)：-60°C ~ 70°C
- External Dimensions：L 307 mm x W 310 mm x H 163 mm
- Internal space for camera：L 180 mm x W 200 mm x H 90 mm
- Weight (Without Bracket)：Approx. 5 KGS

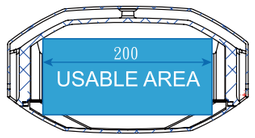


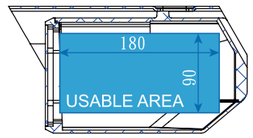
With CI-800 bracket



With CI-816 bracket

IK10 IP68 NEMA 4x





Application



Highway & Expressway Monitoring



Vehicle Access Control



Intelligent Traffic Enforcement



CI-707

Outdoor Mobility/ Fixed ANPR Enclosure

- Body Construction：Die-casting Aluminum
- Viewing Window：4.5mm Tempered PC with Anti-fog against IK10 impact
- Mounting Bracket：Cable Management Bracket (CI-816) | 3-Axis Mounting (CI-810H)
- Sunshade：Adjustable Aluminum construction
- Coating：Powder Black in body, Grey in sunshade
- Connector：IP68 cable glands
- Magnet (Optional)：Suitable for the speed under 80KM (50 Mi) with good environment
- Application：Single Lens- High Power 16mm LED x18pcs | Dual Lens- High Power 16mm LED x9pcs
- 3-Axis Mounting Tilting：Vertical 20° (4 screws) or 40° (2 screws) with Horizontal 20°
- Operating Temperature：-30°C ~ 70°C
- Weight : N.W. 1.6kgs (without bracket)
- Patten number：M649311, D229430
- External Dimension：L175 x W204.6 x H90.9 mm
- Internal Dimension：L100 x W149 x H57 mm



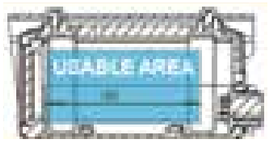
With CI-816 bracket



With CI-810H bracket

IK10 IP68 NEMA 4x





Application



Traffic Solution



Mobile Solution



Thermal Solution



Parking Solution

Camera Housing

CI-701 SERIES

Outdoor Side Open Die-casting Type

- Construction: Die-casting Aluminum
- Viewing Window: Tempered Flat glass or Dual glass for ≤Ø52mm Lens
- Latch: Dual side locking by stainless screws
- Camera Mounting: Adjustable camera metal sled
- Sunshade (option): Adjustable aluminum construction
- IR (option): 12pcs powerful LED for 30° 80M (12VDC input, 15W)
- Heater (option): 15°C On, 25°C Off (10W or 20W)
  (If defroster is obtained then 20W heater is requested)
  *PB-701 heater operation: 4°C On, 15°C Off
- Fan (option): 35°C On, 25°C Off (12VDC input, 1.8W)
- Defroster (option): 9.5W
- Power Input (option): PoE, 96 - 264VAC, 24VAC, 12VDC and 230VAC
- Coating: White epoxy powder coating
- External Dimension: L462.7 x W144.6 x H108.5 mm
- Internal Dimension: L205 x W87 x H70 mm
- Operating Temperature: -30°C ~ 50°C, 10% ~ 90% RH
- Weight: N.W. 2.3kgs (without bracket)

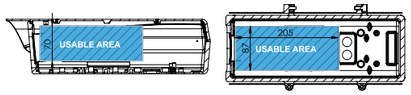


With CI-800 bracket



With CI-810H bracket

IK10 IP68 CE UL LISTED KC FC NEMA 4x



	Sunshade	IR	Heater	Defroster	Fan
CI-701	✓	✓	✓	✓	✓
CI-701 PoE	✓	✓	✓	✓	✓
CI-701W	✓	–	✓	–	✓
PB-701	✓	✓	✓	✓	✓

Model	Picture	Feature
CI-701		•Outdoor Housing for universal cameras •Compatiable powered by 12VDC, 24VAC and 230VAC input
CI-701 PoE		•Outdoor Housing with IEEE 802. 3af and IEEE 802. 3at compliant PoE •Allowing single-cable installation with PoE camera to PoE switch and injector •Powered by 15W, 30W and 60W PoE input
CI-701W		•Outdoor Housing with wiper application controlled by camera's DI/DO •Powered by PoE, 96-264VAC, 24VAC, 24VDC, 12VDC •12VDC, 8W Stepper Motor •With intelligent technology for Wiper return to default position setting if signal lost •Wiper systems shut down automatically if any obstruction
PB-701		•Outdoor Housing supported full-range AC input by friendly installation and protecion by covers certificated with UL compliance •Powered by 96-264VAC input and output 70W (5.83A)

CI-700 SERIES

Outdoor Side Open Die-casting Type

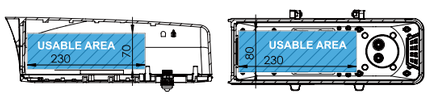
- Construction: Die-casting Aluminum
- Viewing Window: Tempered Flat glass
- Latch: Dual side locking by stainless screws
- Camera Mounting: Adjustable camera metal sled
- Sunshade (option): Adjustable aluminum construction
- Heater (option): 15°C On, 25°C Off (10W)
- Fan (option): 35°C On, 25°C Off (12VDC input, 1.8W)
- Power Input (option): PoE, 24VAC, 12VDC and 230VAC
- Coating: White epoxy powder coating
- External Dimension: L403 x W128.7 x H127.5 mm
- Internal Dimension: L250 x W60 x H70 mm
- Operating Temperature: -30°C ~ 50°C, 10% ~ 90% RH
- Weight: N.W. 2.1kgs (without bracket)





With CI-800 bracket

IK10 IP66 CE FC NEMA 4x



Model	Picture	Feature
CI-700		• Outdoor Housing for universal cameras • Compatiable powered by 12VDC, 24VAC and 230VAC input
CI-700 PoE		• Outdoor Housing with IEEE 802. 3af and IEEE 802. 3at compliant PoE • Allowing single-cable installation with PoE camera to PoE switch and injector • Powered by 15W, 30W and 60W PoE input

CI-603

Outdoor/ Indoor Side Open Type

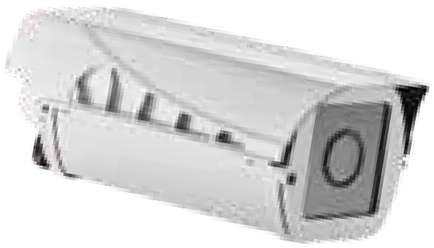
- Construction: ABS sunshade and front-rear cover with Aluminum body
- Viewing Window: Tempered Flat glass or Dual glasses for ≤ Ø32mm Lens
- Latch: Dual side locking by screws
- Camera Mounting: Removable camera sled or camera module holder
- Available front cover for Microphone hole
- External Dimension: L299.2 x W158 x H119.4 mm
- Operating Temperature: -10°C ~ 50°C
- Cable Gland: PG11, 2 pieces
- Weight: N.W. 680g
- Packing: 16 pieces/ CTN, 3.3 meas.
- Certificate: IP66, CE, FCC, RoHS





Camera module holder

Camera Housing







CI-602 V2

Outdoor/ Indoor Side Open Die-casting Type

- Construction
  Body: Extruded Aluminum
  Top Cover: Die-casting Aluminum
- Viewing Window: Tempered Dual glasses for ≤ Ø32mm Lens or customized option
- Latch: Dual side locking by screws
- Camera Mounting: Removable camera sled or camera module holder
- Available front cover for Microphone hole
- Cable Gland: PG11, 2 pieces
- Coating: White epoxy powder coating
- External Dimension: L304 x W135 x H111 mm
- Operating Temperature: -10°C ~ 50°C
- Weight: N.W. 900g
- Packing: 16 pieces/ CTN, 17kgs/ CTN
- Certificate: IP66, CE, FCC, RoHS

CI-602 V1

Outdoor/ Indoor Side Open Extrusion Type

- Construction: Extrusion Aluminum
- Viewing Window: Tempered Flat glass or Dual glasses for ≤ Ø32mm Lens
- Latch: Dual side locking by screws
- Camera Mounting: Removable camera sled or camera module holder
- Available front cover for Microphone hole
- Cable Gland: PG11, 2 pieces
- Coating: White epoxy powder coating
- Heater (option for CI-602M/ L): 15°C On, 25°C Off
- Fan (option for CI-602M/ L): 35°C On, 25°C Off
- Power Input (option for CI-602M/ L): 12VDC, 24VAC and 230VAC
- External Dimension
  CI-602L: L420 x W147 x H115 mm
  CI-602M: L373 x W147 x H115 mm
  CI-602S: L313 x W147 x H115 mm
- Operating Temperature: -10°C ~ 50°C
- Cable Gland: PG11, 2 pieces
- Weight: N.W. 890g (CI-602S)
- Packing: 16pcs/ CTN
- Certificate: IP66, CE, FCC, RoHS



CI-600

Outdoor/ Indoor Top Open Extrusion Type

- Construction: Extrusion Aluminum
- Viewing Window: Tempered Flat glass or Dual glasses for ≤ Ø43mm Lens
- Latch: Top open/close by clamp
- Camera Mounting: Removable camera sled or camera module holder
- Coating: White epoxy powder coating
- Heater (option): 15°C On, 25°C Off
- Fan (option): 35°C On, 25°C Off
- Power Input: 12VDC, 24VAC and 230VAC
- External Dimension: L370 x W142 x H115 mm
- Operating Temperature: -10°C ~ 50°C
- Weight: N.W. 1.2kgs
- Packing: 12 pieces/ CTN
- Certificate: IP66, CE, FCC, RoHS

Bullet Camera Housing Type





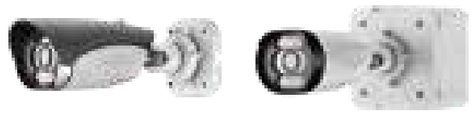
With CI-812 bracket

CI-702

Outdoor/ Indoor Side Open Die-casting Type

- Construction: Die-casting Aluminum
- Viewing Window：Tempered Dual glasses
- Bracket: Quick release cable management bracket
- Latch: Dual side locking by clamp
- Coating: Fluid Spray
- Body Dimension: L225 x W120 x H100 mm
- Weight: N.W. 1.15kgs (without bracket)
- Certificate: IP66, CE, FCC, RoHS





CI-501

Outdoor/ Indoor 38x38mm board Application

- Construction
  Body: Die-casting Aluminum
  Front Cover: Anti-UV plastic material
- Viewing Window: Ø58 mm window
- Microphone Hole: Available from default design at front cover (If no need, it can be seal by gluing)
- SD Cover: Available for option
- Sunshade (option): Anti-UV plastic material, black or white
- Bracket: Aluminum (M16) or Plastic (M12) for option
- Max. Cable Diameter: Ø4.5 or 7 mm (By sealing option)
- Coating: Fluid for 72H slat spray duration
- Body Dimension: L109 x W71 x H60 mm
- Bracket:Aluminum (M16) or Plastic (M12) for option
- Storage Temperature: -30°C ~ 50°C
- Weight: N.W. 202g (without bracket)
- Certificate: IP68, CE, FCC, RoHS

Dome Camera Housing Type





With CI-817 bracket

CI-402

Outdoor/ Indoor Vandal-proof Dome

- Construction: Die-casting Aluminum
- Measures: 115 x Ø144.3mm
- Weight: N. W. 700g
- Certification: RoHS, CE, FCC, IP68, IK10
- Packing: 6 pcs/ctn 1.2 meas.

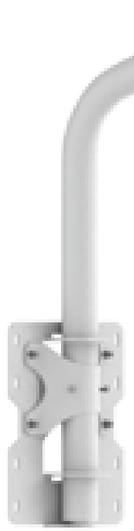
Parapet Mount

CI-350 new

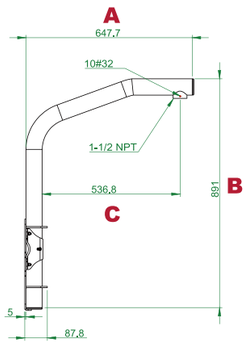
Strong • Universal • Weather-Ready

Parapet mounts allow cameras to be installed on parapets, balcony walls, or bridge sides. Theirswivel design enables easy positioning and maintenance.

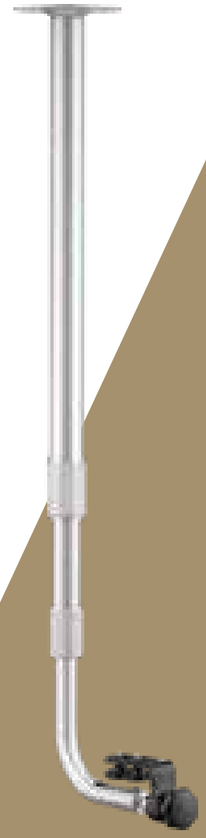
NEMA 4x



Part name	Parapet Mount	
Material	Pipe/Base:Aluminum Top/Bottom cover:PE	
Finish	Powder Paint	
Thread Spec	1-1/2" NPT	
Part weight	Around 4kgs	
Dimension	**Pipe** OD:Ø63.5mm ID:Ø57.2mm(T 3.15mm) A:647.7mm B:891mm C: 536.8mm	**Base** 355.8x279.2XT5mm



Ceiling Mount



CI-809

Adjustable Ceiling Mount

- Indoor/ Outdoor Application
- Construction: Extrusion Aluminum
- Coating: Silver fluid coating
- Length: 70~110cm
- Max. Load: 10KG
- Weight: 1,500G
- Certificated: RoHS
- Suitable for most of camera housing in the market
- Easy installation
- Certification: RoHS



CI-304

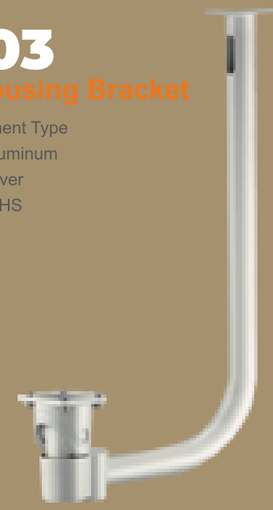
Ceiling Housing Bracket

- Construction: Metal Iron
- Color: Beige
- Certification: RoHS
- Max. Load: 10KG

CI-303

Ceiling Housing Bracket

- Cable Management Type
- Construction: Aluminum
- Color: Beige, Silver
- Certification: RoHS



Cable Management Bracket



CI-813

Roadway Camera Housing Breaket

- Construction: Die-casting Aluminum
- Dimension: L278 x 131mm
- Color: Beige
- Certificate: RoHS
- Weight: N. W. 1.8kgs
- Max. Load: 30kgs
- Packing: 8 pcs/ctn 2.6 meas.
- The side lid can be opened for installing adapter and repairing.



CI-818

- Construction: Die-casting Aluminum
- Dimensions: L165.2 x 60.9 x 101.5mm
- Color: Sliver
- Certification: RoHS
- Weight: N. W. 250g
- MAx. Load: 7kgs
- Packing: 40 pcs/ctn



CI-816

- Construction: Die-casting Aluminum
- Dimensions: L213 x 100 x 70 mm
- Color: Beige
- Certification: RoHS
- Weight: N. W. 360g
- MAx. Load: 20kgs
- Packing: 20 pcs/ctn 2.0meas.



CI-812

Quick Release Bracket

- Construction: Die-casting Aluminum
- Dimensions: L204 x W100 x H152mm
- Color: Black, Beige, sliver
- Certificate: RoHS
- Weight: N. W. 678g
- Max. Load: 20kgs
- Packing: 12 pcs/ctn 1.8 meas.



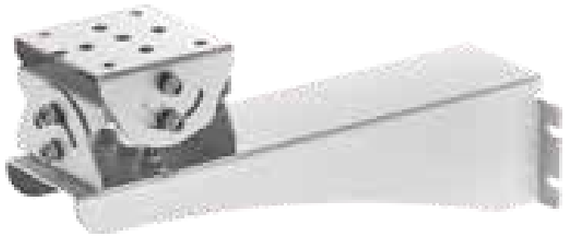
CI-800

- Construction: Die-casting Aluminum
- Dimensions: L213 x 146 x 80mm
- Color: Beige
- Certificate: RoHS
- Weight: N. W. 690g
- Max. Load: 20kgs
- Packing: 20 pcs/ctn 2.7 meas.

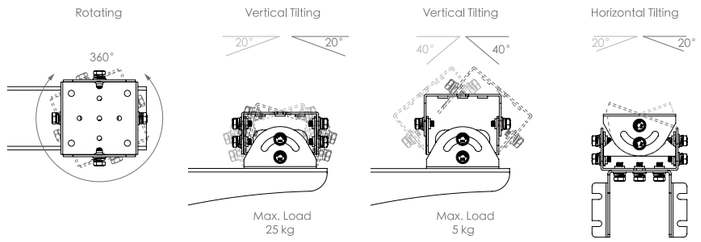
Other Bracket Type

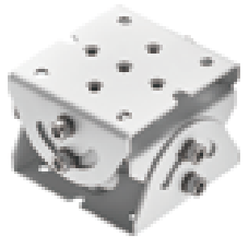
CI-810 new

Universal Axis Bracket for Camera Housing & Traffic Solutions



- Construction: SUS 304, Aluminum or Steel
- Color: Black or white
- Dimension: L300 x W 105 x H 74mm
- Weight: N.W. 1.36kgs (SUS 304)
- Rotating: 360°
- Vertical Tilting: 20° (4 screws) or 40° (2 screws)
- Horizontal Tilting: 20°
- Max. Load: 25kgs for 20° or 5kgs for 40°
- Certificate: RoHS





CI-810H (head) is available for traffic solution



CI-811

- Construction: Die-casting Aluminum
- Dimension: L193 x W48 x H75mm
- Certification: Epoxy powder/fluid coating
- Certification: RoHS
- Max. Load : 3kgs
- Weight: N. W. 175g
- Packing: 40pcs/ctn



CI-807

- Construction: Die-casting Aluminum
- Dimension: L248x 41mm
- Color: Beige, Sliver
- Certification: RoHS
- Weight: N. W. 350g
- Max. Load : 10kgs
- Packing: 20pcs/ctn 2.2meas.



CI-801

- Construction: Die-casting Aluminum
- Dimension: L294 x W84 x H100mm
- Color: Beige, Sliver
- Certification: RoHS
- Weight: N. W. 400g
- Max. Load : 10kgs
- Packing: 20pcs/ctn 2.5meas.

CI-803 Stand series

Model	Picture	Material	Dimensions	Color	Weight	Max load	Certification
CI-803A		Plastic	H68xØ50.5mm	Beige Black Silver	41G	3KGS	RoHS
CI-803AA		Aluminum			70G		
CI-803B		Aluminum	H115xØ45mm		70G		
CI-803C		Aluminum	H115xØ75.5mm		93G		
CI-803DA		Plastic	H110xØ63mm		54G		
CI-803DD		Aluminum			84G		
CI-803E		Aluminum	H120.7xØ58mm		138.5G		
CI-803G		Aluminum	L85xH97xW75mm		138G		
CI-803G-1		Aluminum	L85xH67xW75mm		90G		
CI-803GB		Aluminum	L85xH180xW75mm		94G		

Other Stand series

Model	Picture	Material	Dimensions	Color	Weight	Max load	Certification
CI-802A		Aluminum	L160xØ110mm	Silver	276G	3KGS	RoHS
CI-802B			L300xØ110mm		330G		
CI-805			Adjustable L600mm to 1030mm x Ø110mm		705G		

Junction Box



IK10 IP68

CI-115 new
Universal Junction Box

•Construction: Die-Cast Aluminum Alloy
•Coating:White Coat
•Weight:620G
•Max.Loadt:10KG
•Conduit Hole:3/4”-14 NPT
•Salt Spray Resistance:Corrosion-resistant surface treatment
•Camera Mounting Compatibility:Universal Mounting Design
•Cable Range: Ø4.5-10mm
•Dimension:Ø151X55mm
•Packing:20PCS/ctn

CI-116
Universal Junction Box



- Construction: Anti-UV plastic material
- Color: Black or white
- Dimension: L105.2 x W105.2 x H66.2mm
- Suitable Bracket Hole: Universal
- Cable Range: Universal
- Max. Load for camera: 3kgs
- Sponge Tape: High-adhesive for Max. 1.5kgs
- Weight: N.W. 130g

CI-114
Die-casting Quick Release Design

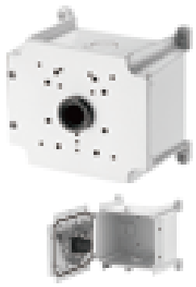




- Construction: Die-casting Aluminum
- Color: White
- Dimension: L118 x W115 x H55 mm
- Cable Range: Ø4.5-10mm
- Max. Load for camera: 3kgs
- Weight: N.W. 680g
- Certificate: IP66, CE, FCC, RoHS

With an CI-116 adapter installed with CI-114 junction box become universal for all of branding camera.

CI-112
Junction Box



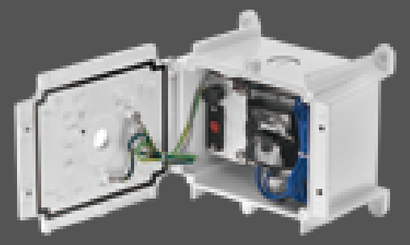
- Construction: Die-casting Aluminum
- Dimension: L168 x W134 x H99.5 mm
- Certification: RoHS
- Max. Load : 10kgs
- Weight: N.W. 1.3kgs
- Packing: 12pcs/ctn
- Simple design and easy installation

Accessories



CI-25
High-Power Illuminator

- Construction: PC top cover and Aluminum bottom
- Beam Angle (Horizontal): 10° ~ 40°
- Distance: 140M(459ft) ~ 350M (1148ft)
- LED Array: 24 pcs LED
- Wavelength: 850nm
- Light Senor Sensitivity: 300 lux on, 600 lux off
- Power Input: 24VAC, 24VDC
- Power Consumption: Max. 90W
- Operation: Controlled by light sensor or camera’s DI/DO
- Dimensions: L220 x W160 x H73 mm
- Accessories: U bracket included
- Weight: N.W. 2.1kgs



CI-302
Innovative Power Box for PTZ or Enclosure for Traffic Solution

Construction: Die-casting Aluminum
Input Power: 115VAC @ 60HZ/ 230VAC @ 50HZ
Output Voltage (Off Load): 25.4VAC ±5%
Output Voltage (On Load): 24VAC ±10% @ 2A/ 22.5VAC @ 4.17A
Primary Exciting Current: AC90mA MAX.
Connector: M20
Coating: White epoxy powder coat
Dimension: L137 x W167.5 x H99.5 mm
Max. Load: 20kgs
Weight: 3.2kgs
Packing: 4 pcs/ctn
Certificate: IP66, IK10, RoHS



CI-817
Dome Housing Bracket

- Construction: Die-casting Aluminum
- Dimension: L200 x 127mm
- Coating: Beige with fluid spray or powder coating
- Certification: RoHS
- Max Load: 20KG
- Packing: 20 pcs/ctn
- Weight: N.W. 500g

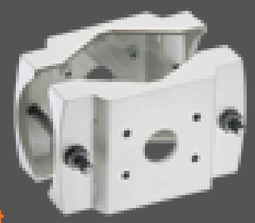
Easy installation and waterproof with an adapter can fit with various dome housing



CI-815
Pole Mount Bracket

- Construction: Die-casting Aluminum
- Dimension: L277 x W75 x H168mm
- Color: Beige
- Certification: RoHS
- Weight: 2.4kgs
- Max Load: 30kgs
- Packing: 4 pcs/ctn 1.7meas.

Suitable for poles with diameter 130 to 230mm (Horizontal clamping), 80 to 120mm (Vertical clamping).



CI-808
Pole Mount Bracket

- Construction: Die-casting Aluminum
- Dimension: L182 x W45 x H114mm
- Color:Beige
- Certification: RoHS
- Weight: 1.2kgs
- Max Load: 20kgs
- Packing: 18pcs/ctn 1.9meas.

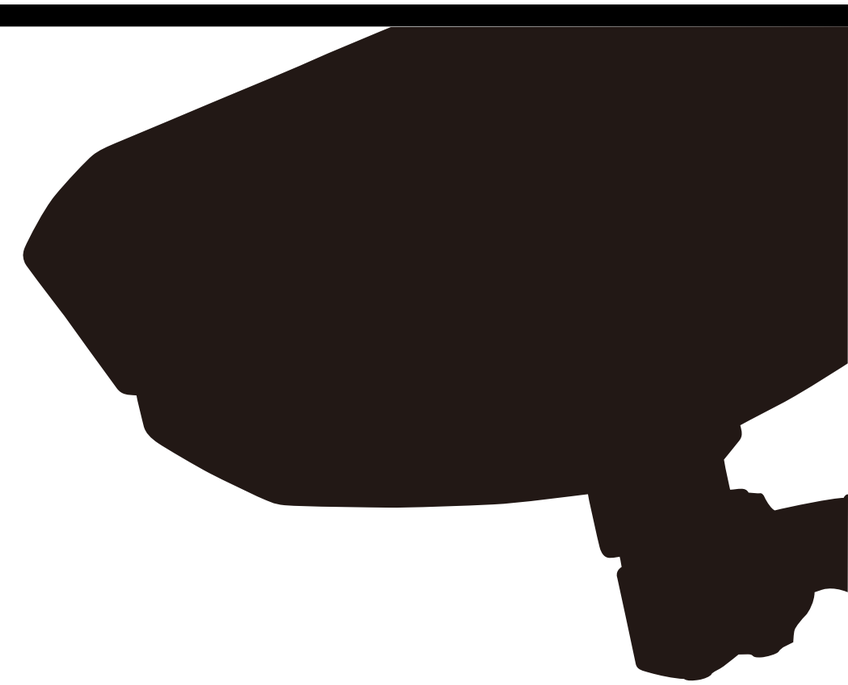
Suitable for poles with diameter 75 to 130mm (Horizontal clamping), 55 to 125mm (Vertical clamping).



CI-113
UPoE Injector

- Dimension: L153 x W84 x H44mm

Alunminun body, Single Port Up to 60W(max) of power on 4 pairs
Support 10/100/1000Base-T Application
Safe and reliable power to WLAN AP, PTZ cameras.



Primary Factory

Second Factory

2027 - 2028

MASSLOAD

財榮壓鑄股份有限公司