

# Product Brief

## 10Gb M Pro series

Sources from the durable architecture M, M Pro achieved further evolution in hardware and software powered by 10Gb Ethernet and new RCC4.0 software.



# Key Features

SSD Optional

2TB

Button easy for HDMI,battery,control

Offline operation

Lightweight design for easy integration

800g

 10Gbps

 10Bit

Auto EDR



 Mechanical shutter

 IP64 protection standard

 Motorized Lens

 200G sine wave 7ms 3-axes

 -40°~70°C

 WIFI

 7.5Grms 15min 3-axes

SDI

1080P@50fps

EMC EMC protection

100ns  
Min. exposure time

Image intelligent trigger

150ns  
Straddle time for PIV

# Product Parameters

### Key parameters

| SKU                | M230M/C Pro    | M220M/C Pro    |
|--------------------|----------------|----------------|
| Sensor             | CMOS           | CMOS           |
| Resolution         | 1920×1080      | 1920×1080      |
| Frame              | 3200fps        | 22000fps       |
| Shutter            | Global shutter | Global shutter |
| Min. exposure time | 100ns          | 100ns          |
| PIV                | 150ns          | 150ns          |
| AE                 | Available      | Available      |
| EDR                | Available      | Available      |

### Connectivity and Signaling

| SKU                   | M230M/C Pro        | M220M/C Pro        |
|-----------------------|--------------------|--------------------|
| Record button         | Available          | Available          |
| Data interface        | 10 Gb/ Gb Ethernet | 10 Gb/ Gb Ethernet |
| Video interface       | 3G-SDI/HDMI        | 3G-SDI/HDMI        |
| Sync Input Interface  | 3.3/5V TTL         | 3.3/5V TTL         |
| Sync Output Interface | 5V TTL             | 5V TTL             |
| Timing                | DC IRIG_B in/GPI   | DC IRIG_B in/GPI   |
| Control interface     | Reserve RS422      | Reserve RS422      |

### Memory

| SKU | M230M/C Pro              | M220M/C Pro              |
|-----|--------------------------|--------------------------|
| SSD | 64GB/256GB/512GB/1TB/2TB | 64GB/256GB/512GB/1TB/2TB |

### Mechanical Specifications

| SKU           | M230M/C Pro                                 | M220M/C Pro                                 |
|---------------|---------------------------------------------|---------------------------------------------|
| Lens          | EF standard,F optional,C optional           | EF standard,F optional,C optional           |
| Size W×H×D    | 75×75×90mm                                  | 75×75×90mm                                  |
| Weight        | 800g                                        | 800g                                        |
| Mounting hole | Top Bottom with 1/4 threaded mounting holes | Top Bottom with 1/4 threaded mounting holes |
| Cooling       | Fans                                        | Fans                                        |

### Electrical Specifications

| SKU                | M230M/C Pro | M220M/C Pro |
|--------------------|-------------|-------------|
| Electricity supply | 9~32VDC     | 9~32VDC     |
| Power wastage      | ≤40W        | ≤40W        |

### Environmental Specifications

| SKU                   | M230M/C Pro                                  | M220M/C Pro                                  |
|-----------------------|----------------------------------------------|----------------------------------------------|
| Operating temperature | -20~50°C, -40~70°C optional                  | -20~50°C, -40~70°C optional                  |
| Operating humidity    | 0~95%                                        | 0~95%                                        |
| Protection level      | IP64                                         | IP64                                         |
| Shock                 | 30G Max 200G backward peak wave @7mSec 3 axe | 30G Max 200G backward peak wave @7mSec 3 axe |
| Vibration             | 7.5Grms 15min/3 axes                         | 7.5Grms 15min/3 axes                         |
| EMC                   | Available                                    | Available                                    |