

# **Cheetah2 Series Smart Camera Brief**

#### **Features**

- Intel® ATOM™ SoC E3950 2.0GHz, quad cores
   Compared to E3845 (used in Cheetah1):
   50% CPU performance up with same power consumption
   4.5 times GPU performance up for deep learning algorithm acceleration
   3.5 times DDR bandwidth up
- 2. 4GB LPDDR4-2400, 128-bit data bus, soldered onboard
- 3. 64GB storage for OS, soldered onboard
- 4. 64-bit OS support: Windows 10 IoT Enterprise, Ubuntu 18.04.4
- 5. Support hardware H.264 4K2K/37fps video encoder
- 6. SONY CMOS sensors, resolution from 1.6MP to 31MP
- 7. The software, dimensions and IO ports are compatible with Cheetah1
- 8. Wide operation temperature -40°C to +80°C
- 9. 3-year warranty

## **Applications**

Intelligent Transport System (ITS)
Intelligent Surveillance

### **Specifications**

Intel® ATOM™ SoC E3950, soldered onboard
2.0GHz, quad cores, 2MB L2 cache, 64-bit
Generation 9 graphics, support Intel® OpenVINO™
4GB LPDDR4-2400, dual-channel, soldered onboard
64GB eMMC5.1 Flash for OS, soldered onboard 1x microSDXC card slot for extended storage
Windows 10 IoT Enterprise, Ubuntu 18.04.4
1x USB 3.0 port
1x HDMI port
1x Giga Ethernet
1x RS232, 1x isolated RS485
1x isolated input, 2x isolated outputs
1 to 256 seconds, setup by software
P-IRIS control, day-night function, switchable polarizer Temperature sensor, power sync, unique chip ID encryption
20 to 40VDC (24VDC recommended ), 10 to 15W
-40°C to +80°C wide temperature
Rugged full metal casing, fanless
66.5×72.8×140 mm, 0.8 kg
CE

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## **Profile**



Figure 1-1 Profile

#### **Dimensions**

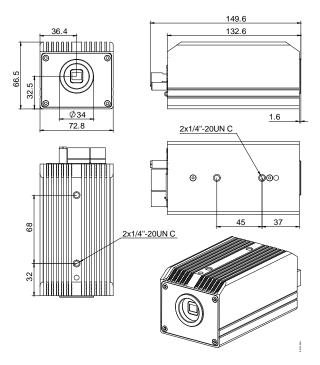


Figure 1-2 Dimensions

#### Notes:

- [1] Unit: mm
- [2] Materials: aluminum with anodizing process
- [3] Color: black