ArkCam Basic

Ark Vision Systems

ArkCam Basic

The Ethernet camera "ArkCam Basic" is the perfect all-rounder for monitoring hazardous areas and work processes in rugged, mobile or stationary applications. It is the ideal sensor for integrating images into existing systems in real-time.

Due to its high optical resolution paired with options such as the fade-in of overlays, it is the basis or extension for almost all fields of application. Robustness against vibrations, cold, heat and wetness are basic characteristics of our cameras.
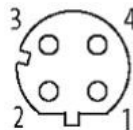
Key Facts

- **HD-resolution** 1,2 Megapixel

- **Configuration tool** available

- Video output format **MJPEG or H.264**

- **Extended temperature range** from -40°C up to +95°C

- **High mechanical load capacity** up to 100 g

- **High pressure cleaner resistent** according to IP69K

- Model variants available for **Single-Pair-Ethernet (T1) or Fast Ethernet (TX)**
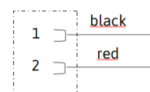
Connector

Power supply and signals for T1

- Connector type M12 D-4pole molded

- Cable 1 meter

Power supply and signals for TX

- Connector type M12 D-4pole molded

- Power Supply open wire (black & Red)

- Cable 1 meter

Technical specifications

Sensor

- resolution 1280 x 960 (1,2MP)
- CMOS image sensor 1/4" / HDR
- frames per second 30 (FPS)

Power supply

- 9-32V DC
- power consumption < 3 W

Viewing Angles

- 90°, 130°, 180°

Operating temperature

- -40°C up to +95°C

Storage temperature

- -40°C up to +95°C

Electromagnetic compatibility (EMC)

- Approvals in accordance with all relevant EMC guidelines from the areas of industry, agricultural machinery, forklifts and construction machinery. Certificates available on request.

Mechanical load capacity

- Shock and vibration resistant for use in the areas of agricultural machinery, forklifts and construction machinery. Certificates available on request.

Protection classes

- IP68 protection against permanent immersion.
- IP69K protection against water during high pressure / steam jet cleaning.
- Certificates available on request.

Interface

- Single-Pair-Ethernet 100BASE-T1
- Ethernet 100BASE-TX

Connector

- M12/D molded onto the cable (connection cable 1m)

Housing

- aluminum anodized

Protocol

- RTP (UDP)

Output format

- H.264/MJPEG

Software

- Configuration tool available

Sensor center point

15,0 mm

35,5 mm

42,8 mm

46,8 mm

42,00

4,00

2,00

52,00

35,00