

## TECHNICAL SPECIFICATIONS TRAFICAM 2<sup>ND</sup> GENERATION ALU

### HARDWARE:

#### - In General:

- Camera & detector board integrated in compact, esthetical housing
- Material:
  - Housing:
    - Aluminum, with integrated rain/sun shield
    - Window in glass
    - Power connector: 5-pins (with screws) for power supply and RS-485
  - Mounting Bracket: Aluminum tube; L = 25cm, Ø = 13mm
  - Mounting Piece:
    - U-profile, L = 18cm, glass fiber reinforced polyamide
    - Attached to mounting bracket
    - Retaining straps or bolts to be used for fixation
- Mass about 880 g (excl. cables)
- Height x Width x Depth (max. dimensions, housing + mounting bracket):
  - Vertically mounted about 45 cm x 16 cm x 12 cm
  - Horizontally mounted about 41 cm x 18 cm x 12 cm
- Diameter: about 12 cm
- Temperature Range: from -34°C to +80°C



#### - Camera Details:

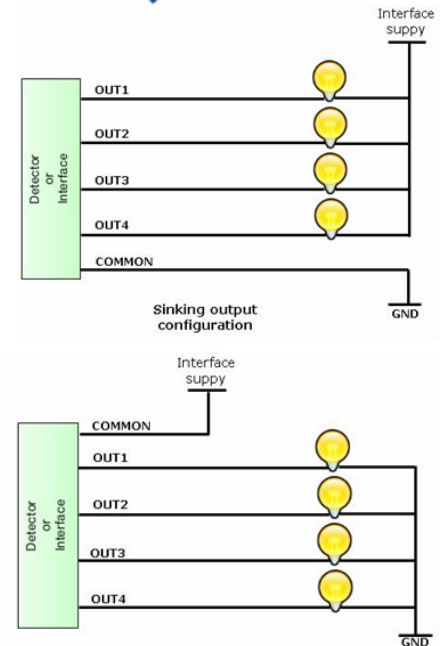
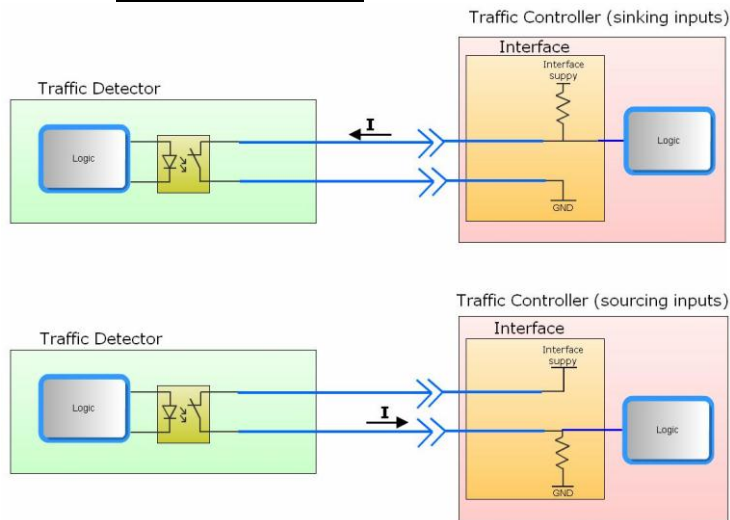
- Camera Type:
  - Technology: Black & White CMOS
  - Sensor Size: 1/4"
  - Resolution: 640x480 pixels (VGA)
  - Frame Rate: about 20FPS
- Lens Types:

	Focal Distance	Field of View	Detection Distance
<b>TrafiCam2 <u>Wide</u> angle</b> (product reference number 10-6090A)	2,1 mm	Horizontal: 99° Vertical: 83° Corner to corner: 111°	0-20m
<b>TrafiCam2 <u>Narrow</u> angle</b> (product reference number 10-6091A)	6,0 mm	Horizontal: 32° Vertical: 24° Corner to corner: 39°	15-70m

#### - Power Supply, Outputs & Communications:

- Input Power: 12-24VDC ± 10%, 24VAC ± 15%
- Current Consumption: < 85mA @ 12VDC; < 50mA @ 24VDC
- Power Consumption: ≤ 1,2W
- RS-485 for configuring & viewing
- 4 Optical Coupled Dry Contacts: P<sub>max</sub> = 300mW, I<sub>max</sub> = 50mA, U<sub>max</sub> = 48VDC

## Output Scheme:



## REGULATORY ISSUES:

- **EMC:** Electromagnetic Compatibility - 2004/108/EG
- **FCC:** FCC Part 15 Class A
- **Shock & Vibration:** NEMA II specs
- **Materials Weatherproof (UV-resistant)**
- **Housing Waterproof to IP67**

## PC SOFTWARE:

- TRAFICAM PC TOOL on portable PC for system configuration & viewing
- Via USB port of 1TI or 4TI ETH interface
- Detection zones: Max. 8 "Virtual Loops" per TrafiCam (can be made direction sensitive)
- Detection output assignment:
  - o Assign max. 4 outputs (1TI) or max. 8 outputs (4TI ETH) per TrafiCam
  - o Assign 1 output to multiple zones (logical functions: and, or)
- Configuration & viewing via:
  - o Single JPEG image (snapshot)
  - o Refreshing JPEG images (limited streaming video):
    - Complete image (1-2FPS, not suited for detection monitoring)
    - One detection zone (higher frame rate, detection monitoring possible)

## CONNECTION TRAFICAM - INTERFACE:

- **Recommended Type of Cable:** Shielded Twisted Pair (STP), UV resistant
- **Required Number of Wires per Cable:** minimum 5 wires
- **Required Number of Cables per TrafiCam:** 1 cable (for power connector only)
- **Minimum Wire Diameter:** 0,5mm (0,2mm<sup>2</sup>, AWG24)
- **Minimum / Maximum Cable Diameter:** 4mm / 9mm (determined by cable gland screw connector)
- **Maximum Cable Length:** 300m (highly depends on cable quality and local conditions, i.e. local sources of interference; note that there can be a significant voltage drop over long distances)
- **Note:** cable (product reference number T2-CABLE5) is not standard included



YOUR CONTACT

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Data subject to alternation without notice or obligation