

Fiber optic Full HD-SDI 1080i@30fps camera APP HD-SDI is designed for use in HQTV transmission systems, enables high quality image acquisition and transmission over multi-mode as well as single-mode fiber.

APP HD-SDI is equipped with interchangeable SFP modules for direct connection to optical fiber and with BNC interface.

The platform is based on advanced TI DM368 processor, 5MP 1/2,5" matrix and Linux system, what allows use of advanced recognition algorithms and real time image analysis.

The use of the advanced high dynamic matrix and the ICR filter change mechanism makes that the camera is an excellent solution in different illumination sceneries for many professional applications.

There is possible control and service over the camera's OSD or RS-232/422/485 data stream to PTZ controller.

There is also possible motion detection and darkened areas limitation of visibility (private mask).

The camera enables surveillance in Near-Infrared range.

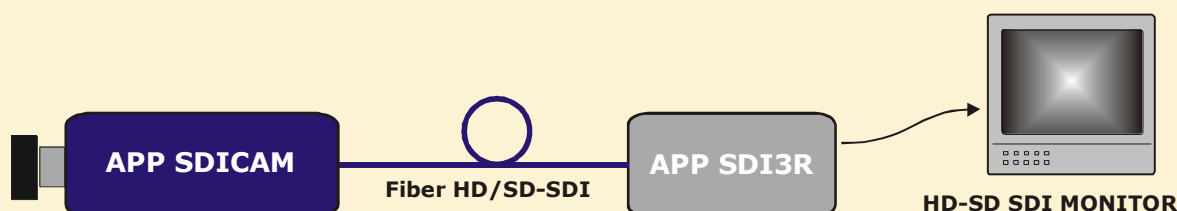
The camera is able to cooperate with conventional DVRs.



- **Full HD (1080i@30fps)**
- **5MP 1/2,5" matrix**
- **3G HD-SDI optical output**
- **OSD (On-Screen Display)**
- **RS-232/422/485 data stream**
- **real time image analysis**
- **private mask**
- **surveillance in near-infrared**



Application diagram:



Technical parameters:

Video interface:

picture definition:	1920 x 1080@30 fps
lenses:	C/CS, IRIS (DC auto, manual)
matrix:	Aptina 1/2,5", 5 MP
wavelength spectrum:	600 – 1100 nm
night/day:	ICR mechanical filter
white balance:	auto WB

Electrical interface:

data format:	3G HD-SDI
signal level:	800 mVp-p
connector type:	BNC 75 Ohm

Optical interface:

data format:	3G HD-SDI
optical medium:	50/125 μm , 62,5/125 μm , 9/125 μm
wavelength:	1310 nm
connector type:	LC

Additional interface:

	RS-232/422/485
number of channels:	1 two-way
data format:	asynchronous, serial
electrical interface:	V.11, V.28, transparent, 2 or 4-wire
data rate:	115 kbps

Operating temperature range: 0 to + 50 °C

Power supply: 8 - 48 VDC

Dimensions: 60 x 45 x 87 mm