

Infrared Video and Data Transmission



IVIC III

APPLICATION

Wireless video and data transmission (RS 232 or RS 422 interface) in the other direction by means of directed infrared radiation through the atmosphere for operational range up to 1000 m -

the alternative to transmission by wire or radio.

For use in video monitoring systems, alarm systems; in traffic monitoring and control systems.

FEATURES

Not affected by electromagnetic interference fields; almost completely proof against eavesdropping (compared with radio links)

Low installation costs, free of wear and with a long operating lifetime; for reliable operation, a direct line of sight must exist between the ends of the planned link.

The infrared radiation is generated by an IR-LED, GZS < laser class 1, safe for the eyes.

Project-specific special solutions in, for example, transport or automation technology can be implemented quickly and at a very good price/performance ratio.

TECHNICAL DATA

Transmission range: 20... 1000 m
Transmit angle: 0,5°
Receive angle: 0,5°
Supply voltage: 230 VAC

Video link

Bandwidth: > 5 MHz, monochrome, colour
Signal-to-noise ratio: > 45 dB
Input/output: (C)CVS, 1 V_{ss} into 75 Ohm

Simplex RS 232 link

Transmission rate: 19,2 kBit/s

Simplex RS 422 link

Transmission rate: 50 kBit/s

ORDERING INFORMATION

IVIC III: Infrared video transmission consisting of
IVIC III - 1
(video transmitter and RS232/RS422 receiver)
and IVIC III - 2
(video receiver / RS232/RS422 transmitter)