CEBEK COMPONENTS

MICRO CMOS VIDEO CAMERA VIDEO CMOS. BLACK/WHITE

C-7280
FADISEL S.L.

All registred names and brands indicated in this manual are the propriety of their respective titular.

A complete micro video camera, CMOS Type, like a single component, to allow it to be easily integrated in your own circuit.
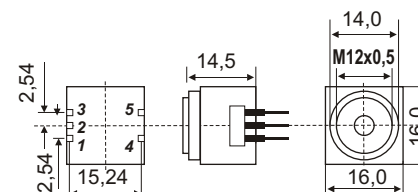The **C-7280** modules offers a low consumption, miniaturized dimensions and a very good picture quality.
The connection is very simple, only 3-4 cables, according to the application.
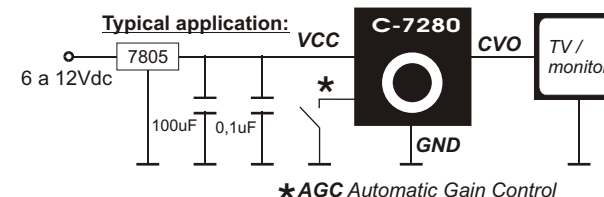It is directly connected to a video monitor (composed video signal).

OPERATING CHARACTERISTICS.

Sensor:	CMOS 1/3"
Operating Voltage:	5VDC±0,5V
Operating Current	10mA (without Load)
Effective Picture area	4,8 x 3,6mm
Scanning	2:1 interlace
Shutter	1/60 a 1/6000sec
Output	1Vpp composed video (75 Ohm)
Sensor element	352(H)x288(V)
S/R Relation	>46dB (AGC connected)
Resolution	240 lines TV min.
Lens	f=4,9mm, F=2,8 FOV 56º x 42º
Total dimension	16 x 16x 15mm
Terminals format	0,6" DIL
Others:	Auto exposition control,
	Back-light Compensation,
	Range correction -0,45/1,0
	Automatic Gain Control -18db,
	Automatic Calibrationof the black level.
	Anti flashes improve and anti-smudges.

APPLICATIONS.

Video phone.
Video entryphone.
Baby monitor .
Security system vigilance.
Process control.
Vision machinery.
Electronic rear/view mirrors for vehicles.
Toys.
Diorama.

CAUTION.

The CMOS micro-camera is a component offering a high precision and its wiring & assembly must be done with the maximum caution, because he is very delicate.
We recommended you to carefully verify the wiring of pins as well as the supply voltage before activating the micro-camera, to avoid to damage it due to a possible error in the wiring.

DIMENSIONS AND WIRING

Connection & Wiring:
1 AGC *(for external control / Option)*
2 GND
3 CVO *(Composed Video Signal, direct to the monitor)*
4 GND
5 VCC *(5Vdc)*

TYPICAL APPLICATION.

Typical application:
6 a 12Vdc
7805
100uF 0,1uF
VCC **C-7280** CVO
TV / monitor
GND
★ **AGC** *Automatic Gain Control*

DO NOT FORGET.

This component is recommended for professional users or for people with enough technical knowledge allowing them to develop them wished applications or projects. For this reason, we will not supplied technical assistance concerning problems coming from its application.
Concerning any problem due to the product' operating mode (except application problem), you can contact our **technical department by fax : +34.93.432.29.95 or by e-mail : sat@fadisel.com.**
The technical documentation supplied with this module answer to a transcription of the supplied one by the manufcaturer.
Cebek products from the "components" range offer a **warranty of 1 year** from the purchase date. Incorrect or wrong handling are excluded.
We have more items to offer you that you can appreciate in our web site: **www.fadisel.com.**

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