NCM-USB-10B is a USB output color camera module compliant with HD pixels.
It has 1280 horizontal pixels and 720 vertical pixels and conforms to the 1/2.7" optical format.
This camera module is compliant with USB Video Class 1.1 and is ideal for video input devices such as security, network, and authentication cameras.

1.Features

- USB Video Class1.1
- USB-bus power
- USB integrated board package
- HDR

2.Specification

● Image Sensor	1/2.7-inch CMOS color image sensor
● Shutter Type	Rolling shutter
● Dimension	32 × 32 [mm] ※1
● Effective Pixels	1280(H) × 720(V)
● Pixel Size	4.2μm(H) × 4.2μm(V)
● Output Interface	USB2.0 (USB Video Class1.1 isochronous)
● Output Signal Format	YUV, Motion JPEG
● Frame rate (Max.)	30fps
● Function	Auto Exposure Control, Auto White Balance, Auto Gain Control, HDR, Image Inversion (up/down, left/right), Flicker correction, etc.
● Angle of View (Typ.)	(H)110°/(V)70°/(D)124°:1280(H)x720(V)
● Optical filter	IRCF
● F Number	F2.4
● Connection Type	USB2.0 micro B connector
● Power Consumption (Typ.)	1000 [mW]

※1 : Micro B connecter part is not included.

3. Recommended Operating Conditions

● Power supply voltage	5.0 [V] ※2
● Operating voltage range	4.75 ～ 5.25 [V] ※2
● Operating Temperature	-20 ～ +60 [℃] ※3
● Storage Temperature	-30 ～ +70 [℃] ※3
● Supported OS	Windows7, Windows8, Windows10 ※4

※2 : USB-bus power。
※3 : No condensation.
※4 : Linux and embedded OS are not supported.

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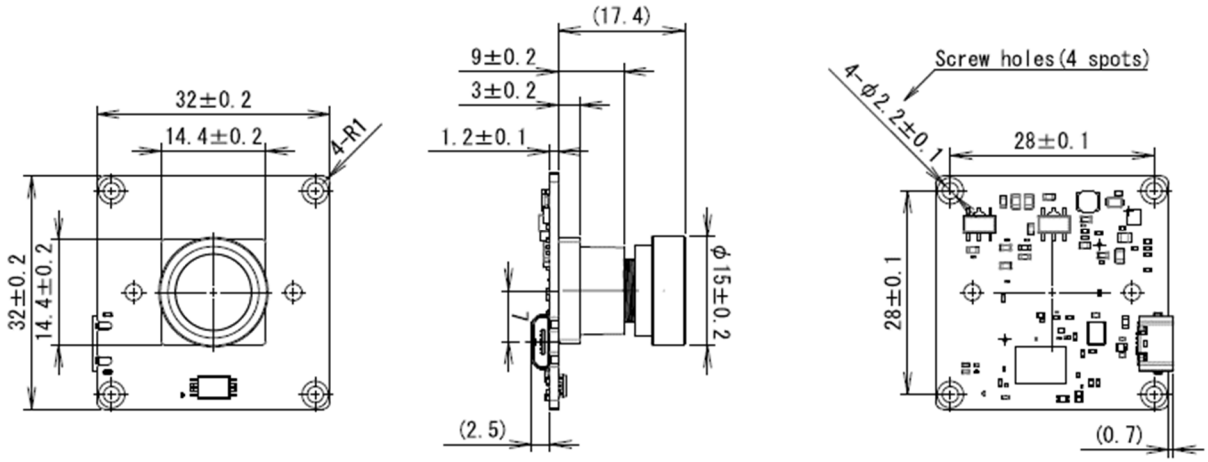
4. Terminal Description

USB2.0 micro B connector

No	Symbol	I/O	Terminal Description
1	VBUS	-	USB-bus power supply
2	D-	I/O	USB data output (-)
3	D+	I/O	USB data output (+)
4	N.C.	-	unconnected
5	GND	-	Ground

5. External Dimensions

【Unit : mm】



6. Image Capture Polarity

Image

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