

## 1. Product Overview

This product is a CMOS camera module equipped with a signal-processing LSI and a lens.  
The video output signal conforms to the NTSC standard.

## 2. Features

- High sensitivity
- HDR (High Dynamic Range)
- Stand-alone startup (built-in Flash ROM retains settings)
- Waterproof housing
- Wide-angle lens
- NTSC interlaced format compliant

## 3. Basic Specifications

No.	Item	Specification
1	Weight	56.5 g (including bracket and cable)
2	Optical Size	1/3.8-inch optical format
3	Effective Pixels	1280 (H) × 960 (V)
4	Output Pixels (NTSC)	720 (H) × 486 (V)
5	Current Consumption (typ.)	105 mA (V <sub>in</sub> = 8.0 V)
6	Flicker Detection / Compensation	50 Hz / 60 Hz, automatic
7	Image Vignetting (Shading)	None
8	Exposure Time (Max)	30 ms
9	Dynamic Range	120 dB (max)
10	Reverse Connection Protection	Provided
11	Day / Night Setting	Color Saturation, Sharpness, Gamma
12	Lens Coating	AR coating
13	F-Number	2.1 (typ.)
14	Field of View (typ.)	H = 104° ±3%, V = 84° ±2%, D = 122° ±4%
15	IRCF	Provided (*1)
16	Aspect Ratio	4:3
17	Scan Method	2:1 Interlace
18	Pixel Pitch	2.9 μm (H) × 2.9 μm (V)
19	Color Filter	RGB primary color filter, Bayer pattern
20	Video Output	1 V <sub>p-p</sub> (typ.) / 75-Ω termination
21	Signal Format	NTSC-J
22	Resolution	Center: 300 TV lines / Periphery: ≥200 TV lines
23	Waterproof / Dustproof	Equivalent to IP67

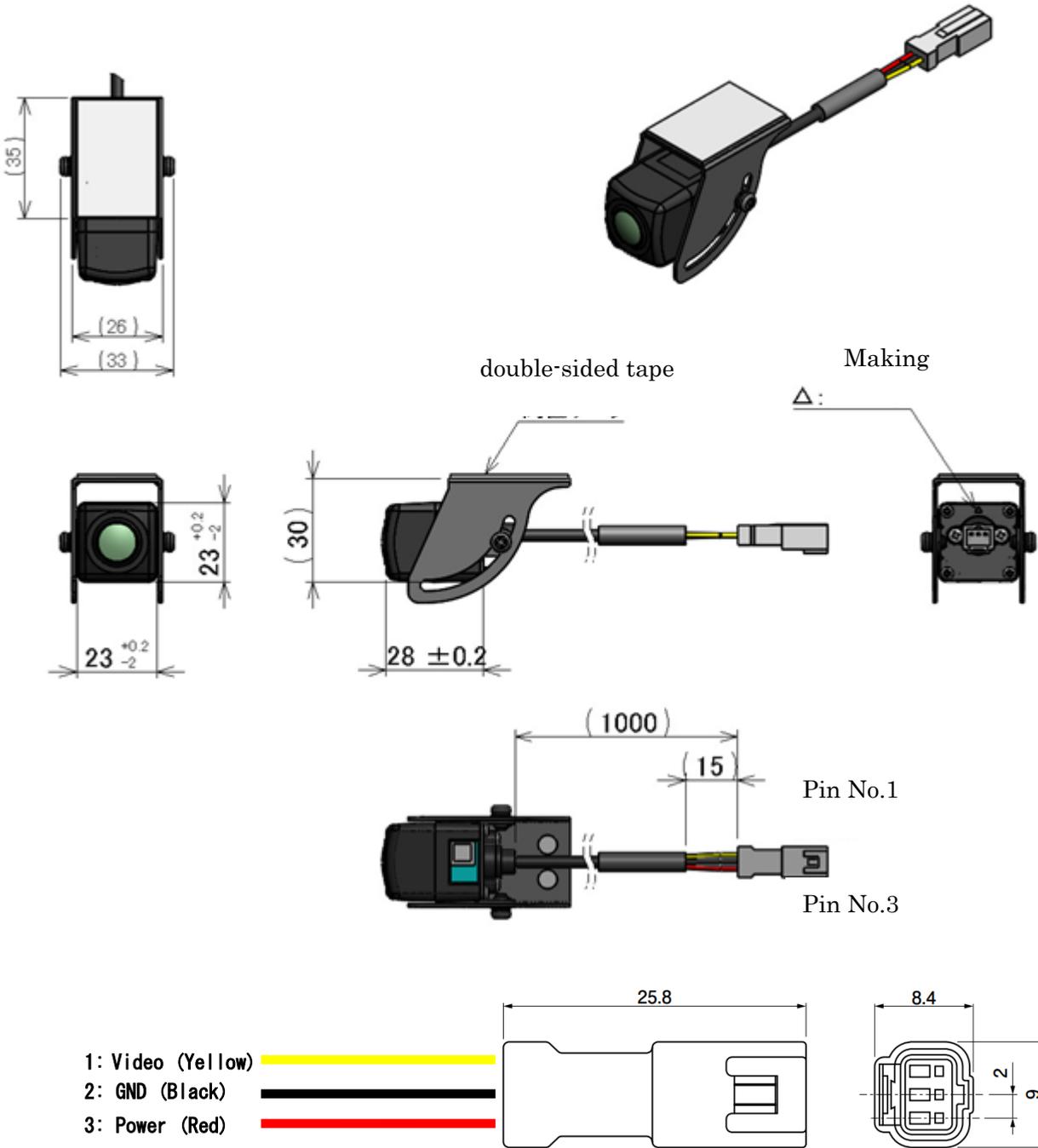
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## 4. Product Dimensions

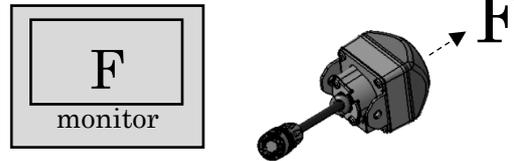
Unit : mm



Terminal Number	Symbol	I/O	Terminal Description	Cable Color
1	Video	0	NTSC	Yellow
2	GND	—	GROUND	Black
3	Power Supply	—	POWER	Red

## 5. Imaging Polarity

Positive image



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