

## 1. Product Overview

The NCM20-YB is a 2-megapixel waterproof housing camera featuring a wide-angle lens. Video data is output using the HD-TVI communication protocol.

## 2. Features

- Long-distance transmission enabled by HD-TVI communication protocol
- Built-in 2-megapixel CMOS image sensor and ISP functionality
  - Waterproof housing
  - Pigtail harness output

## 3. Basic Specifications

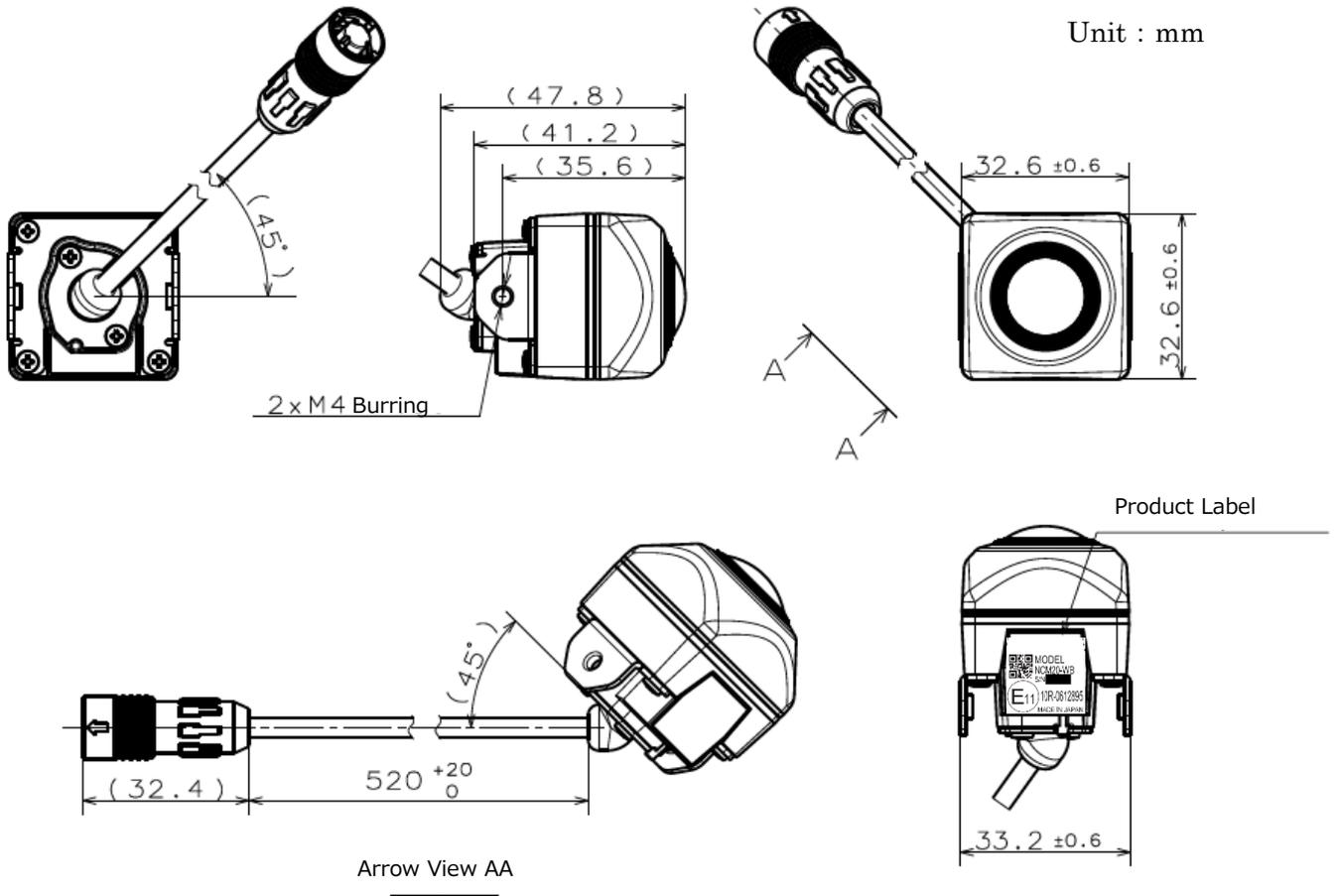
Dimensions	Approx. W33.2 × H32.6 × D41.2 mm (camera body only)	
Weight	Approx. 77g (camera body + harness)	
Resolution	Number of pixels	2.0 megapixels (Full-HD)
Output Specifications	Transmission Method	HD-TVI (Single-End)
	HDR Function	Available
	Frame Rate	30fps
Lens	Field of View	Horizontal: 169deg (Typ.) Vertical: 92.3deg (Typ.)
Harness	Cable Length	520+20/-0mm
	Cable Diameter	Φ3.8 (Typ.)
	Minimum Bend Radius	For fixed bends, R16 or greater (bending at the base of the bushing is prohibited)
	Pull-out	Angle
	Connector	HR30-6PA-6S(71) *Hirose Electric Co., Ltd.
	Pin Assignment	1: Power 2: N.C. 3: Power GND 4: Not Connected 5: Signal GND 6: Signal
Input Voltage Range	DC10V (Min) to DC12V (Max)	
Current Consumption	120mA (Max) *When camera input is 10V	
Inrush Current	400mA (Max)	
Waterproof	IP67 (Camera body + harness),	
Imaging Polarity	Positive image	
Storage Temperature Range	-40°C to +85°C	
Operating temperature range	-30°C to +65°C	
Startup Time	500ms (Max) (Time from power supply to video signal output start)	
Power-on time	Must be 400ms or longer.	
Other	• No access or control functions are available from the monitor side.	

Please note that specifications and other details described in this document are subject to change for improvement.

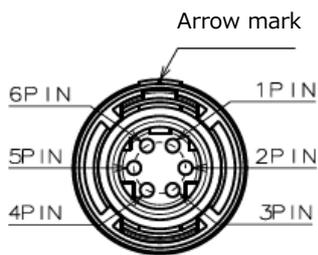
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## 4. Product Dimensions



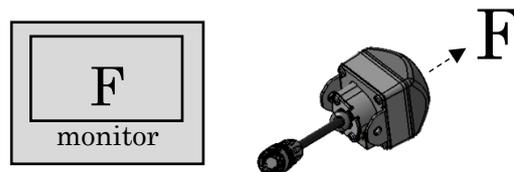
### CN PIN ASSIGNMENT



PIN	SYMBOL
1	POWER
2	N.C.
3	POWER GND
4	N.C.
5	SIGNAL GND
6	SIGNAL

## 5. Imaging Polarity

Positive image



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