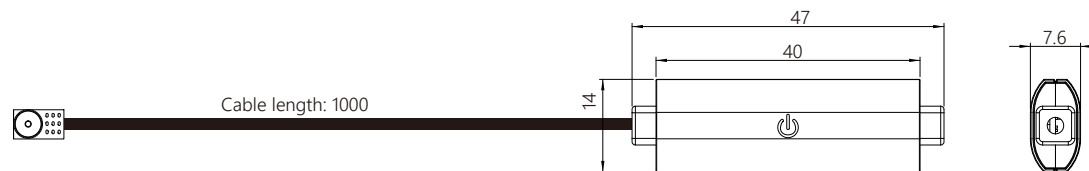


1/6" Digital CMOS Camera Module

BT-Nxx31105 series

Dimension(+0.2mm)

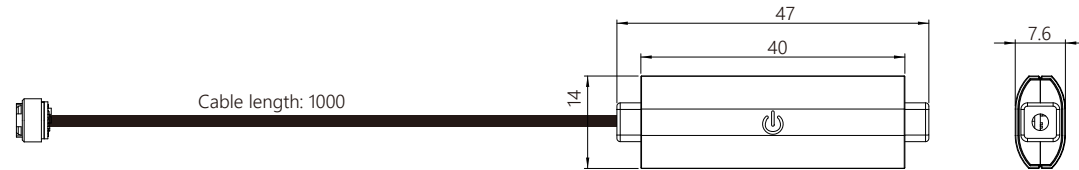


	No lens	77° lens	88° lens	93° lens	158° lens
BT-NBL31105-xx (side view)	 8.4 4.9+0.1	 8.5 4.9+0.1	 8.5 4.9+0.1	 8.5 4.9+0.1	 8.5 4.9+0.1
BT-NBL31105S-xx (side view)	 13.5 4.9+0.1	 13.5 4.9+0.1	 13.5 4.9+0.1	 13.5 4.9+0.1	 13.5 4.9+0.1
BT-NB31105U-xx (up view)	 1.4 4.9 13.5	 3.6 4.9+0.1 13.5	 4.8 4.9+0.1 13.5	 5.1 4.9 13.5	 6.3 4.9 13.5
BT-NB31105-xx (front view)	 Ø4.9 6.3+0.1	 Ø4.9 8.3+0.1	 Ø4.9 9.8+0.1	 Ø5.2 10.1+0.1	 Ø6.5 11.3+0.1
BT-NB31106R-xx (front view)	 Ø5.7 2	 Ø5.7 5.5	 Ø5.7 6	 Ø5.7 5.9	 Ø6.5 7.7
BT-NBL31103-xx (side view)	 15.4 3.1 1.4	 13 Ø4.9 1.1 3.1 15.6 4.0	 13 Ø5.1 3.1 15.55 4.0	 13 Ø5.1 3.1 15.6 4.0	 13 Ø6.5 3.1 16 4.0
BT-NB31104U-xx (up view)	 1.4 4 13.4	 3.6 Ø4.9 13.4 4	 4.8 Ø5.1 13.4 4	 4.8 13.4 4	 14.6 4

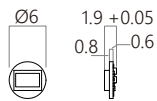
1/4" Digital CMOS Camera Module

BT-NB44106 series

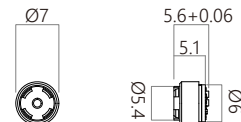
Dimension(+0.2mm)



BT-NB44106R (No lens)



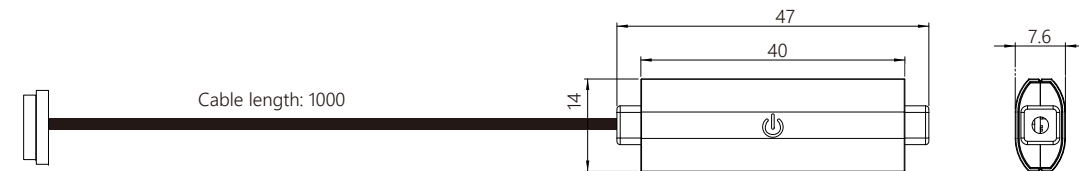
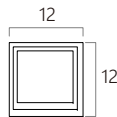
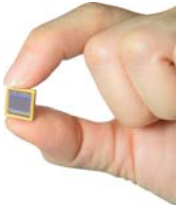
BT-NB44106R-65 (77° lens)



2/3" Digital CMOS Camera Module

BT-NB10412 series

BT-NB10412 (No lens)



Model: BT-NB31105-158



Model: BT-NB44106-65



Model: BT-NB10412-83

Model	BT-NBx31105-xx	BT-NB44106R-xx	BT-NB10412
Image sensor	1/6" Digital CMOS Camera Module	1/4" Digital CMOS Camera Module	2/3" Digital CMOS Camera Module
Pixel size(μm)	1.4 x 1.4	3.0 x 3.0	4.75 x 4.75
Image area(mm)	2.7288 x 1.5498	3.84 x 2.16	9.12 x 5.13
Sensitivity	553 mV/(Lux-sec)	4300 mV/lux-sec	9900 mV/lux-sec
Dynamic range	73.3 dB @ 15.5x gain	72 db	74.8 db
Lens (specify which lens)	1.83mm/2.0 /F5.0 /8.0 (77° lens) 1.55mm/F5.7(88° lens) 1.7mm/F4.0(91° lens) 1.523mm/F4.8(158° lens)	3.4mm/F2.8 (65° lens)	8.0mm/F2.5(83° lens) 5.2mm/F2.2 (140° lens)
View angle (order in advance)	H= 69°; V= 43°; D= 77° (77° lens) H=78.3°; V=48.4°; D=93° (88° lens) H=80.3°; V=79.2°; D=91° (93° lens) H=132°; V=65° ; D=158° (158° lens)	H=58°54';V=35°15';D=65°56' (65° lens)	H=67°99';V=52°3';V=83°68' (83° lens) H= 112°; V= 57°; D= 140° (140° lens)
Storage temperature	-30 to 60 Degree C		
Working temperature	0 to 50 Degree C		
Max. frame rate	HD720P, max- 15 fps (via Bluetooth)		
Bluetooth	Bluetooth 5.0		
Code	H.264		
Scan mode	progressive		
LED	white LED x 6 (specify when ordering)		
Power source	4.2V		
Radio	RF		
Frequency	2.4Ghz		
Operation range	Up to 10Meters		
Main processor	ARM Cortex M4F		
Memory	256Mb DDR		
PCB Dimension(bluetooth)	27.3 x 9.3mm		
Microphone	Built-in		
Record	To smart phone APP		



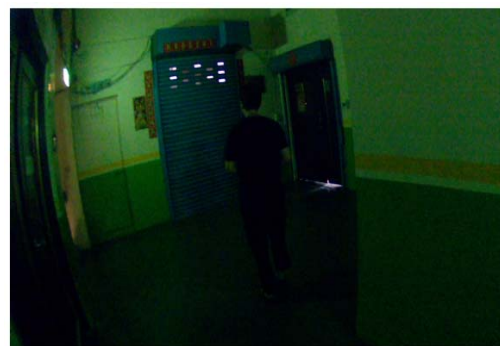
Miniature camera with a Bluetooth function, which is the most innovative miniature wireless camera.

With 720P resolution, enhanced night vision, the camera can be used anytime and anywhere to record video for helping improve the security of homes, offices, stores, rooms, and warehouses.



Demo image model: BT-NB10412

Camera without LED at 0.6 Lux enviroment !



MISUMI Low light camera
(Model: BT-NB10412)



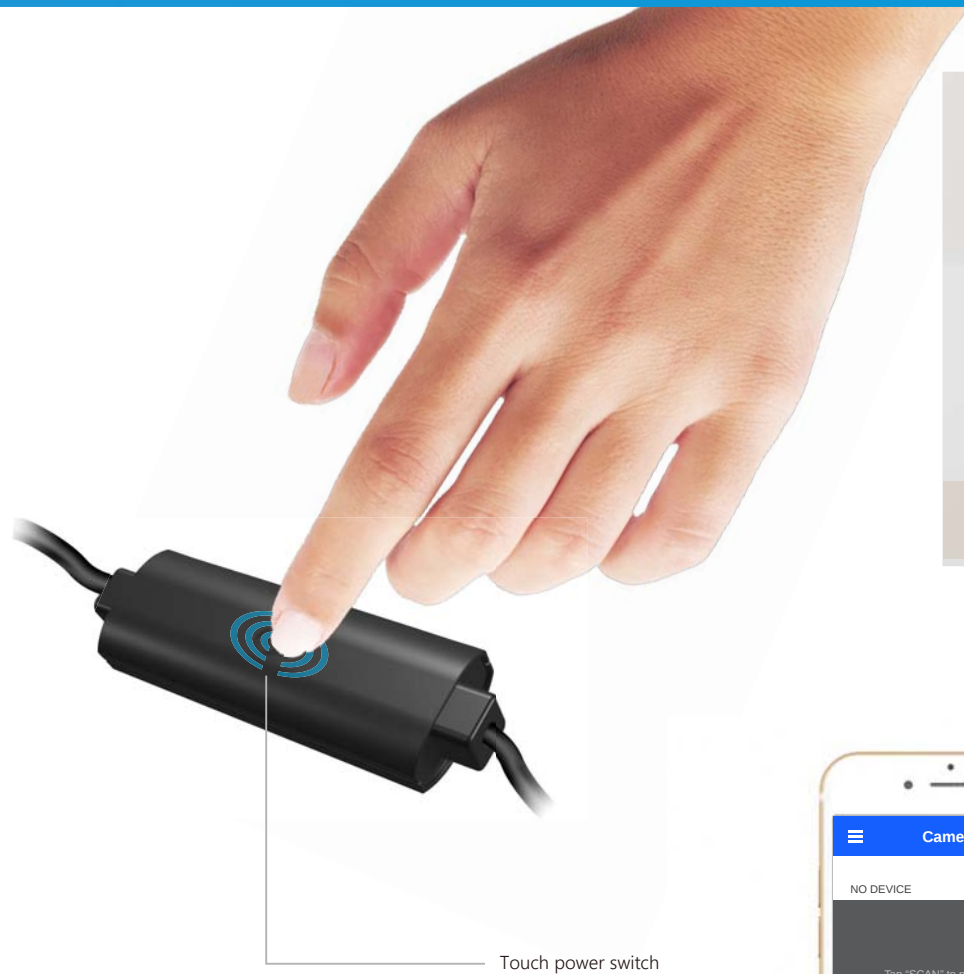
Normal camera

BT-NBL31105LH-77

SERIES	POWER SWITCH	CAMERA BODY	CAMERA TYPE	LED	LENS
BT Bluetooth	N Touch power switch	<u>front view</u> B Board type T Tube type <u>Side view</u> BL Board type	31105 Color 31106R Color 44106R Color 10412 Color 311M5 B/W 311M6R B/W 441M6R B/W 104M12 B/W <u>Single board for side view only</u> 31103 Color 31105S Color 311M3 B/W 311M5S B/W <u>Single board for up view only</u> 31104U Color 311M4U B/W	LH High-intensity white LED L9 IR 940nm LED L8 IR 850nm LED	<u>for 31105 series</u> 77 1.83mm/F2.0 (77°) 77 1.83mm/F5.0 (77°) 77 1.83mm/F8.0 (77°) 88 1.55mm/F5.7 (88°) 88 1.55mm/F8.0 (88°) 88 1.55mm/F10 (88°) 158 1.523mm/F4.8 (158°) 158 1.523mm/F6.0 (158°) 158 1.523mm/F8.0 (158°) <u>for 44106 series</u> 65 3.4mm/F2.8 (65°) 65 3.4mm/F6.0 (65°) <u>for 10412 series</u> 83 8.0mm/F2.5 (83°) 140 5.2mm/F2.2 (140°)

* IR 940nm or IR 850nm LED suggest to choose B/W camera type

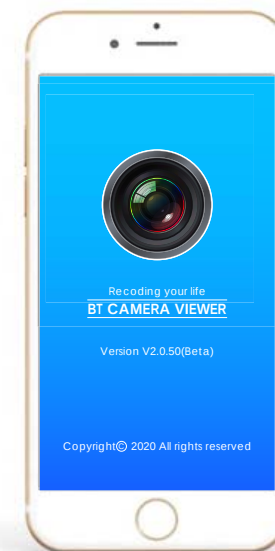
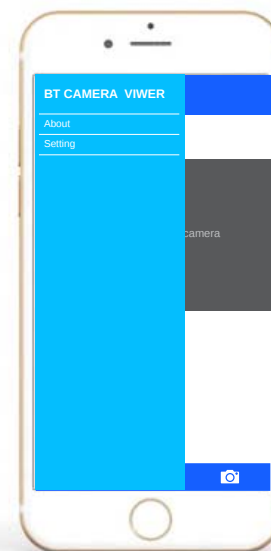
* Camera with LED light source suggest to use larger number of F-stop



Touch power switch



Security surveillance tool, slim size easy to be hidden.



By smartphone app, you can easily record videos or take photos.

H.264

Video Format



Low Light



RF

Wireless



5.0

Bluetooth