

## USER`S MANUAL VER. 1.0



### Contents

**Preface**

**Safety instructions**

**Function description**

**Installation**

**Specifications**

**VANDAL DOME  
B/W & COLOR CAMERA**

**NOVUS SECURITY Sp. z o.o.  
359 Pulawska Str., 02-801 Warsaw, Poland  
tel: +4822-546-0-500; fax: +4822-546-0-519  
[info@novuscctv.com](mailto:info@novuscctv.com); [www.novuscctv.com](http://www.novuscctv.com)**

## **CONGRATULATIONS ON YOUR PURCHASE OF OUR CAMERA**

This product has been carefully inspected through rigid quality control before shipment. With reasonable installation and operation, it will provide years of reliable performance. Considering your investment, we understand you would like to know the full performance capability about the new product. Therefore, we need to recommend that you read the installation and operation manual thoroughly before attempting to install and operate the product.

## **IMPORTANT INFORMATION BEFORE INSTALLATION**

Please read and observe all instructions and warnings contained in this manual. Retain the original manual for the future reference. When unpacking your new product, first please compare the received items with your order list, second check for damaged items. If there is anything missing or damage in evidence, please do not install or operate the product. Contact your dealer for assistance immediately. Never try to service this product by yourself. Opening the covers may expose you to dangerous power voltage or other hazards. For your protection, take a moment to complete the following product purchase information. The serial number of this product may be found on the cover of the unit. The serial number may be required by the factory when need service or technical support.

Model NO. \_\_\_\_\_

Serial NO. \_\_\_\_\_

Purchase date \_\_\_\_\_

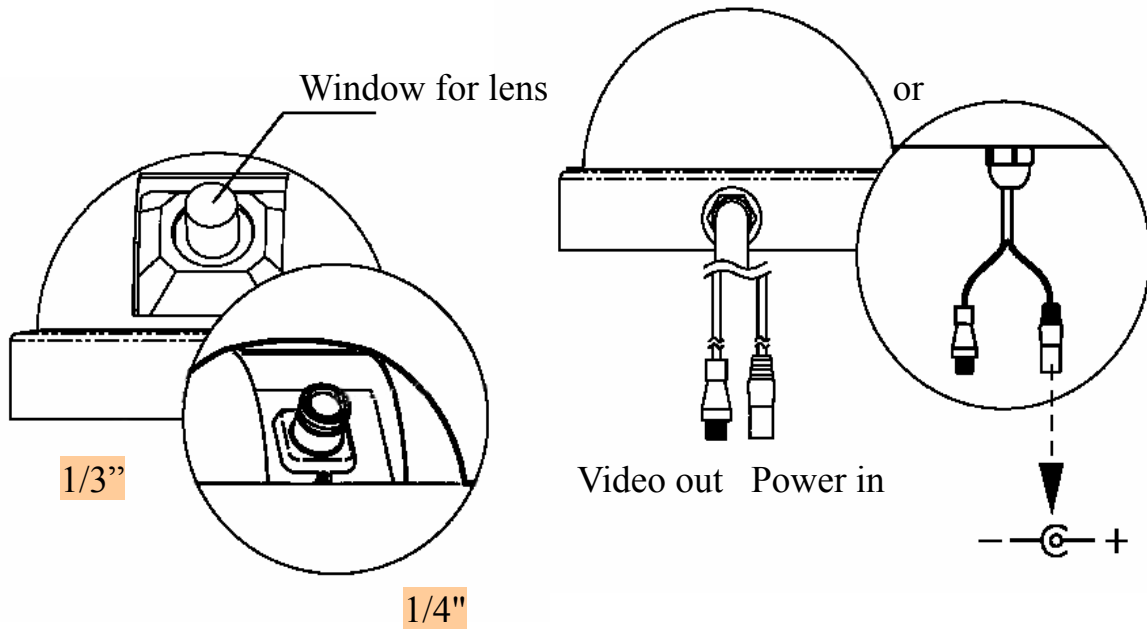
## **PREFACE**

Design for this series CCD camera is based on professional video system processing capability. Interior key components adopt Japanese advanced charge coupled device (CCD) sensor and related peripheral IC. So the CCD camera has better performance such as high sensitivity, sharpness, premium fidelity and low noise. It also has auto electronic shutter, backlight compensation and white balance function (for Color Cameras only). Because power design uses switching regulator, its operating current is only 200~250mA for DC12V model. Installation becomes more simple and easier.

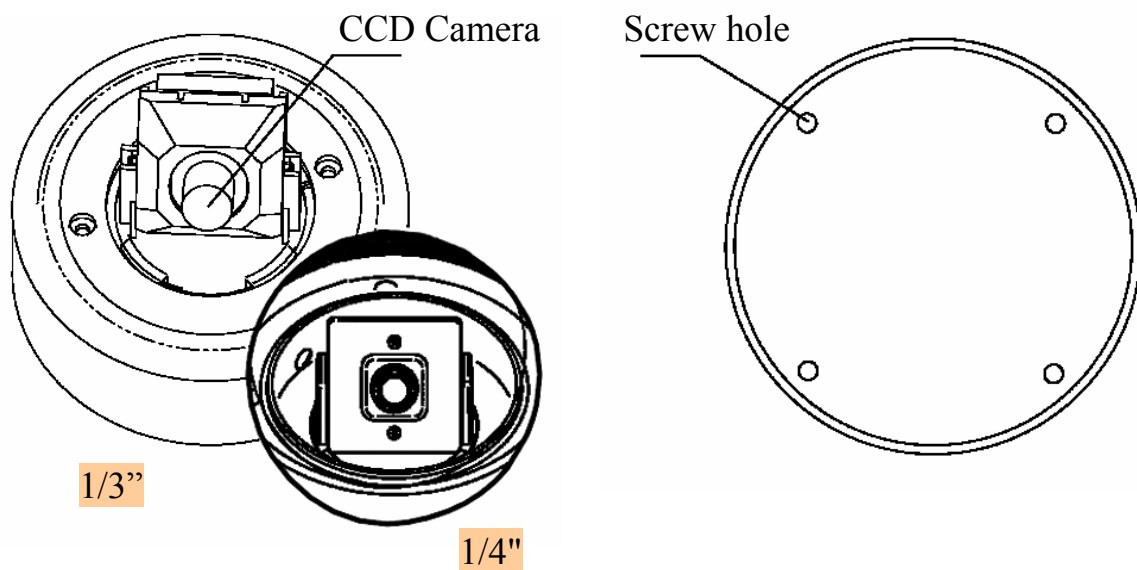
## **SAFETY INSTRUCTIONS**

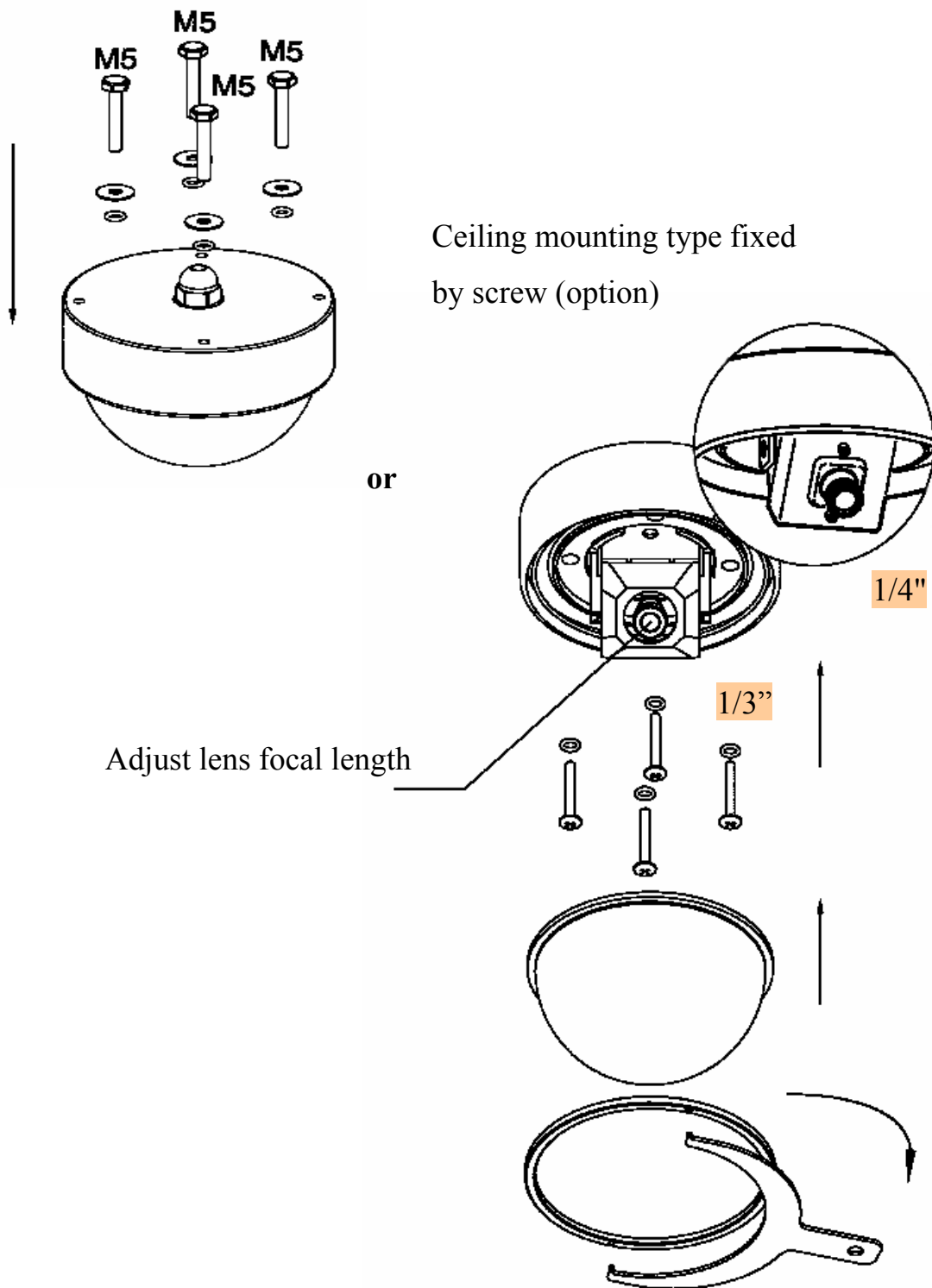
1. Never expose the unit to rain or moisture and avoid electric shock hazard.
2. Any service or maintenance should be made by qualified service personnel.
3. Storage temperature  $-30^{\circ}\text{C}\sim+80^{\circ}\text{C}$ .
4. All installation and service should be confirmed to local agents.
5. Do not open the cover; it may expose you to electric and other hazard.
6. Do not place anything on the unit which may spill or fall into the unit.
7. The equipment has been tested and passed the CE standard, which is designed to provide reasonable protection against harmful interference and be insusceptible to other radiating interference when operated in commercial environment. Therefore the equipment can not also generate and cause any interference to radio communication.

## FUNCTION DESCRIPTION



## INSTALLATION





Remove cover:  
Press down spring hook turn right and remove cover.  
After adjustment, replace it counterclockwise.

## SPECIFICATIONS

### A. Color Cameras

<b>Model:</b>	<b>NVC- VS50CD</b>	<b>NVC- VS55CD</b>	<b>NVC- VH60CD</b>	<b>NVC- VS45CD/IR</b>
Pick-up Element	1/3" color CCD imager			
Number of Pixels (H) x (V)	537 x 597		795 x 596	537 x 597
Resolution	> 380 TVL		> 480 TVL	> 380 TVL
Synchronizing System	internal			
Video Output	1,0 Vpp, 75 Ohm, BNC			
IR Projector	N/A			Yes
Min. Illumination	0,8 lx/F=1.2		1,2 lx/F=1.2	1,0 lx/F=1.2 0 lx/IR on
Electronic Shutter	auto 1:50 to 1:100 000 s			
S/N Ratio	48 dB (AGC off)			
Gamma	0,45			
White Balance	auto / 2000°K ~ 8000°K			
Back Light Compensation	auto			
Standard Board Lens	fixed focal: f=3.6 mm	varifocal auto iris: 4-9 mm		fixed focal: f=3.6 mm
Operating Temperature	-10°C ~ +50°C			
Water Resistance	IP66			
Power Supply	12VDC / max. 250 mA			
Dimensions	108 (D) x 75 (H) mm			
Weight	640 g			

B. B/W Cameras

<b>Model:</b>	<b>NVC- VS10BD</b>	<b>NVC- VS25BD</b>	<b>NVC-VH35BD</b>	<b>NVC- VS15BD/IR</b>
Pick-up Element	1/3" B/W CCD imager			
Number of Pixels (H) x (V)	537 x 597		795 x 596	537 x 597
Resolution	> 420 TVL		> 580 TVL	> 420 TVL
Synchronizing System	internal			
Video Output	1,0 Vpp, 75 Ohm, BNC			
IR Projector	N/A			Yes
Min. Illumination	0,05 lx/F=1.2		0,08 lx/F=1.2	0,05 lx/F=1.2 0 lx/IR off
Electronic Shutter	auto 1:50 to 1:100 000 s			
S/N Ratio	48 dB (AGC off)			
Gamma	0,45			
Back Light Compensation	auto			
Standard Board Lens	fixed focal: f=3.6 mm	varifocal auto iris: 4-9 mm		fixed focal: f=3.6 mm
Operating Temperature	-10°C ~ +50°C			
Water Resistance	IP66			
Power Supply	12VDC / max. 250 mA			
Dimensions	108 (D) x 75 (H) mm			
Weight	640 g			

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