

## TECHNICAL DATA

DIMENSIONS	HTL200	HTL300	HTL360
EXTERNAL DIMENSIONS (Ø x L-MM)	116x240	116x340	116x400
USEFUL DIMENSIONS (Ø x H x L-MM)	92x83x185	92x83x275	92x83x340
SUNSHIELD (W x H x L-MM)	132x95x265	132x95x365	132x95x425

## WEIGHT

HOUSING:	0,9Kg	1,25Kg	1,4Kg
SUNSHIELD:	0,4Kg	0,6Kg	0,7Kg

## HEATER CONSUMPTION

230V VERSION:	8W
24V VERSION:	8W
12V VERSION:	8W

## PROTECTION RATE:

IP56
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## BOLT AND SCREWS:

STAINLESS STEEL
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## FRONT GLASS:

TEMPERED GLASS
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## FINISH:

EPOXY POWDER COATING
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## ACCESSORIES

WALL/POLE MOUNTING BRACKET:  
 AISI304 POLE MOUNTING CLAMPS KIT:  
 CEILING MOUNTING SUPPORT:  
 P/T ADAPTOR:  
 230V/24VAC-6VA CAMERA POWER:  
 IR ILLUMINATORS:  
 FRONT PART WITH IR FILTER KIT:  
 VISIBLE LIGHT ILLUMINATOR:

COD. WPB (HIDDEN CABLES)
COD. PMK145
COD. CMB (HIDDEN CABLES)
COD. PTA
COD. PSH220/24T
LX RANGE, IR-LED HIGH-POWER
COD. IR780/T
COD. LX675/T



DISPOSAL OF YOUR OLD PRODUCT

YOUR PRODUCT IS DESIGNED AND MANUFACTURED WITH HIGH QUALITY MATERIALS AND COMPONENT, WHICH CAN BE RECYCLED AND REUSED. WHEN THIS CROSSED-OUT WHEELED BIN SYMBOL IS ATTACHED TO A PRODUCT IT MEANS THE PRODUCT IS COVERED BY THE EUROPEAN DIRECTIVE 2002/96/EC. PLEASE INFORM YOURSELF ABOUT THE LOCAL SEPARATE COLLECTION SYSTEM FOR ELECTRICAL AND ELECTRONIC PRODUCTS. PLEASE ACT ACCORDING TO YOUR LOCAL RULES AND DO NOT DISPOSE OF YOUR OLD PRODUCTS WITH YOUR NORMAL HOUSEHOLD WASTE. THE CORRECT DISPOSAL OF YOUR OLD PRODUCT WILL HELP PREVENT POTENTIAL NEGATIVE CONSEQUENCES FOR THE ENVIRONMENT AND HUMAN HEALTH.



## CCTV HOUSINGS

# TUNNEL RANGE

## INSTRUCTIONS GUIDE

## HTL200/220

230V VERSION

## HTL200/24

24V VERSION

## HTL200/12

12V VERSION

## HTL300/220

230V VERSION

## HTL300/24

24V VERSION

## HTL300/12

12V VERSION

## HTL360/220

230V VERSION

## HTL360/24

24V VERSION

## HTL360/12

12V VERSION



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BEFORE INSTALLATION AND OPERATION PLEASE READ THESE INSTRUCTIONS CAREFULLY

DEAR CUSTOMER

WE THANK YOU FOR CHOOSING OUR PRODUCT.

**BEFORE INSTALLATION AND OPERATION PLEASE READ THESE INSTRUCTIONS CAREFULLY.**

#### DANGER AND SAFETY WARNINGS



THIS WARNING SYMBOL MEANS DANGER. YOU ARE IN A SITUATION THAT COULD CAUSE BODILY INJURY. BEFORE YOU WORK ON ANY EQUIPMENT, BE AWARE OF THE HAZARDS INVOLVED WITH ELECTRICAL CIRCUITRY AND BE FAMILIAR WITH STANDARD PRACTICES FOR PREVENTING ACCIDENTS. **BEFORE OPERATING THE MACHINE, SWITCH THE POWER OFF.**



THIS WARNING SYMBOL MEANS THAT OPERATING INSTRUCTIONS AND PRECAUTIONS **MUST BE CAREFULLY FOLLOWED IN ORDER TO AVOID BODILY INJURY AND EQUIPMENT DAMAGE.**

#### IMPORTANT PRECAUTIONS AND WARNINGS FOR THE PROTECTION OF GOODS AND PERSONS



**TURN THE POWER OFF BEFORE OPERATING THE EQUIPMENT.**



INSTALLATION MUST BE CARRIED OUT BY **QUALIFIED TECHNICAL STAFF IN COMPLIANCE WITH CURRENT STANDARDS AND REGULATIONS.**



INSTALLATION AND TOOLS MUST BE IN COMPLIANCE WITH THE **PROPERTY AND PERSON SECURITY RULES**: PARTICULAR ATTENTION MUST BE PAID TO THE PRODUCT USE AND WORKING LIMITS.



MAKE SURE THAT AFTER REPAIR AND MAINTENANCE OPERATIONS, ALL THE NECESSARY TESTS ARE CARRIED OUT. CHECK THROUGH THE NECESSARY MEASUREMENTS **THAT ANY PART WHERE VOLTAGE IS PRESENT IS EXPOSED AND COULD THEREFORE CAUSE POSSIBLE HAZARDOUS SITUATIONS.**



IN ORDER TO CARRY OUT THE HOUSING FIXING **SELECT THE ADEQUATE SUPPORT ACCORDING TO THE TYPE OF INSTALLATION.** FOR WALL OR CEILING MOUNTING MAKE THE SAME AMOUNT OF HOLES AS INDICATED IN THE CHOSEN SUPPORT: **USE THE NECESSARY FIXING SYSTEMS ACCORDING TO THE TYPE OF WALL ON WHICH THE HOUSING MUST BE INSTALLED**, BEARING IN MIND THAT FIXING SCREWS MUST HAVE A 6MM DIAMETER. FOR POLE MOUNTING MAKE SURE THAT MINIMUM DIAMETER IS EQUAL TO 60MM. FOR AN EASIER INSTALLATION USE 2 (TWO) AISI304 STAINLESS STEEL WORM GEAR CLAMPS OF AN ADEQUATE LENGTH ACCORDING TO POLE DIAMETER. PLACE THE CLAMPS INSIDE THE BRACKET SLOTS AND LOCK THEM TIGHTLY. CARRY ON AS DESCRIBED FOR WALL MOUNTING.



PLEASE DO NOT MAKE ANY CHANGES TO THE PRODUCT WITHOUT PREVIOUSLY CONTACTING THE MANUFACTURER WHICH WILL **FORMALLY** PROVIDE YOU WITH THE NECESSARY INSTRUCTIONS.

- PLEASE KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE IN CASE OF SERVICE OR MOUNTING OPERATIONS.

#### PRODUCT DESCRIPTION

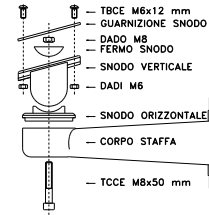
WEATHERPROOF HOUSING FOR CCD CAMERAS EQUIPPED WITH FIXED AND VARIFOCAL LENS. STAINLESS STEEL BOLTS AND SCREWS OFFER HIGH RELIABILITY IN HEAVY DUTY ENVIRONMENT CONDITIONS. THIS PRODUCT GUARANTEES AN IP56 PROTECTION RATE (CERTIFIED). THE FRONT BODY OF THIS HOUSING CAN BE COMPLETELY REMOVED IN ORDER TO ALLOW ACCESS TO THE CAMERA FOR EASY MOUNTING/SERVICE OPERATIONS. THIS HOUSING IS GENERALLY SUPPLIED WITH SUNSHIELD, THERMOSTAT-OPERATED HEATER AND STANDARD WALL/POLE MOUNTING BRACKET. SUITABLE FOR MARINE ENVIRONMENT INSTALLATIONS.

**THIS UNIT SHOULD BE OPERATED ONLY THROUGH THE POWER SUPPLY INDICATED IN THE PRODUCT LABEL. IF YOU ARE NOT SURE OF THE TYPE OF POWER SUPPLY YOU ARE PLANNING TO USE, PLEASE CONTACT YOUR DEALER.**

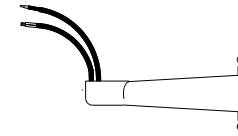
#### TUNNEL HOUSING RANGE MEETS THE REQUIREMENTS FOR THE FOLLOWING REGULATIONS:

EN 50130-4      EN 61000-3-3  
EN 55014      EN 61000-6-3  
EN 55022  
EN 60065  
EN 61000-3-2

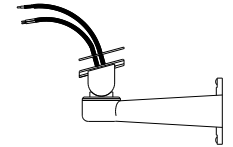
#### **1) MOUNTING BRACKET DETAIL.**



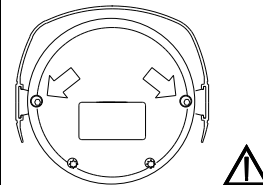
**2) INSTALL THE BRACKET AND INSERT CABLES INSIDE. NOTE: IN CASE OF SIDE ENTRANCE TUBES (Ø 20MM), BREAK THE NECESSARY INSERTS WITH A CUTTING NIPPERS AND TRIM THE EDGES.**



**3) REPLACE THE JOINT INSERTING THE CABLES THROUGH THE GASKET.**



**4) UNLOOSE THE HEXAGONAL HEAD SCREWS ON THE BACK OF THE HOUSING WITHOUT REMOVING THEM.**



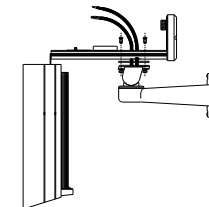
**5) 230V VERSION ONLY: EXTRACT THE FRONT PART FOR ABOUT 10 CM AND DISCONNECT THE GROUND CABLE.**



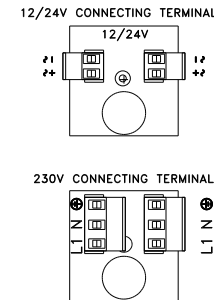
**6) REMOVE THE FRONT PART COMPLETELY. NOTE: A SMALL SECURITY CABLE KEEP THE TWO PARTS TOGETHER.**



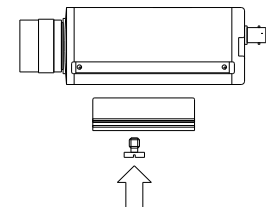
**7) MOUNT THE LOWER PART OF THE HOUSING ONTO THE JOINT/BACKET USING THE SUPPLIED BOLTS AND SCREWS.**



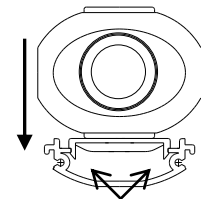
**8) ESTABLISH THE NECESSARY POWER SUPPLY CONNECTIONS.**



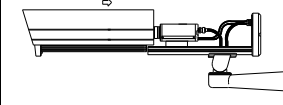
**9) FIX THE CAMERA ONTO ONE OF THE SUPPLIED SUPPORTS AND PLACE IT INSIDE THE HOUSING, 10).**



**10) In order to fix the support: to press until embedding it from both sides.**



**11) WIRE THE CAMERA AND CLOSE THE HOUSING TIGHTENING THE PREVIOUSLY (STEP 4) UNLOOSEEN SCREWS.**



**AFTER CARRYING OUT POSITIONING, PLEASE REMEMBER TO RESTORE ALL POWER SUPPLY CONNECTIONS AND LOCK ALL SCREWS.**