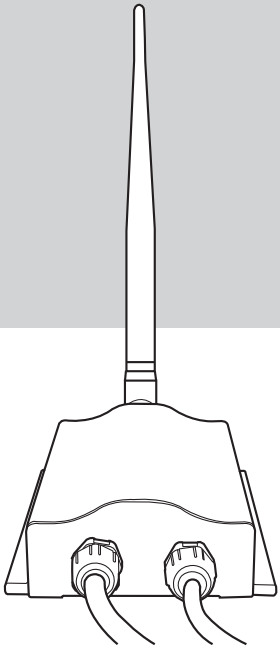
CAMOS

DIGITAL VIDEO WIRELESS SYSTEM

Instruction Manual

DVWS-100

Thank you for purchasing this product.
For proper usages and application, please
read this instruction manual carefully.



PRINTED IN KOREA ver. 1.0

* The design and specifications of this product in order to improve its quality may be changed without notice.

CONTENT

Safety instructions

Please read the “Safety Rules” carefully before using this product. Following the safety rules prevents users from damages related with the misuse of the product. It is very important to follow these safety rules. We state “Caution” and “Warning” to clarify any potential risk for a damage associated with the misuse of the product

- Do not put the product in place where sudden temperature increasing and should use on optimum voltage, temperature and humidity.
  --- It may cause to electronic shock or malfunction.

- Do not place where interfere with visual field and watch or operate monitor during driving.
  --- It may cause traffic accident.

- Do not place near of air bag effective range.
  --- It may cause malfunction of air bag or accident, injury due to hitting monitor by air bag.

- Keep clean dust on power socket.
  --- It may cause electronic shock and fire by bad connection.

- Do not pull cord with a jerk, should catch a plug and pull.
  Do not use damaged cord.
  --- It may cause cord malfunction, electronic shock and fire.

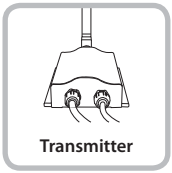
- When clean exterior, power off and wipe with dry cloth.
  --- Wet cloth may cause a electronic shock.

- Do not clean exterior with volatility or oily solvent.
  Neither keep touching rubber and plastic for long time.
  --- It may cause change of surface, fall of paint, malfunction and fire.

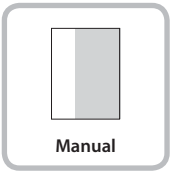
- Do not put metals as like pin and needle into hole and chink of grill, speaker.
  --- In case of inserting them, stop to operate, it may cause electronic shock, fire and malfunction.

- Do not disassemble, repair and remodeling.
  --- It may cause malfunction and injury, can not get warranty.
  --- Make inquiries to agent for repair and checkup.

1 BOX CONTENT


Transmitter


Receiver


Manual

2 FEATURES

- Black anodized aluminium housing with installation bracket
- Fixed unit 2,4 GHz High power short antenna
- Connections for 6-Pol Mini DIN
- Video system: PAL/NTSC
- High Level operating system
- Own DVWS ID-System
- Waterprotected housing

3 FUNCTION

With this digital video- and audio transmitting system, images and audio signals will be transmitted wirelessly from diffrent video sources like receiver, DVD-Player or rear-view cameras to the monitor.
The transmitter will be connected to power supply with 12/24V and the 6-POL MINI DIN adaptor is connected directly with the camera.
The receiver will be connected the same way to the monitor. Picture and sound now will be transmitted wirelessly from video source to the monitor. Disturbances because of other wireless systems like shop-or filling stations security systems are excluded.

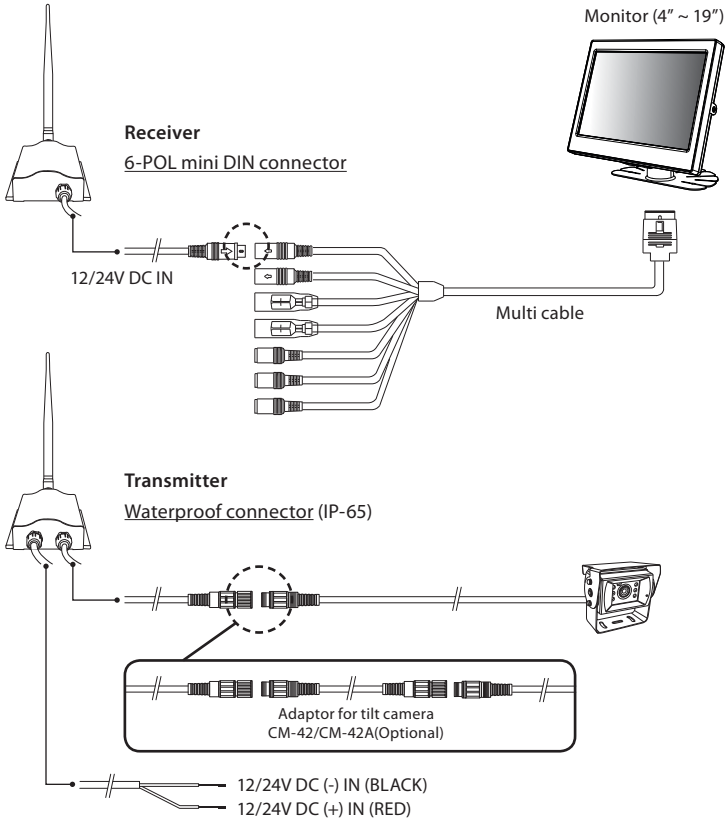
To use the system as a rear-view system, it is neccessary, to use a monitor with stand-by connection. Please connect this with +12V of the back light, to get the monitor and camera startet automatically when you choose the reverse gear.
Receiver and transmitter have to have steady plus after starting the car.

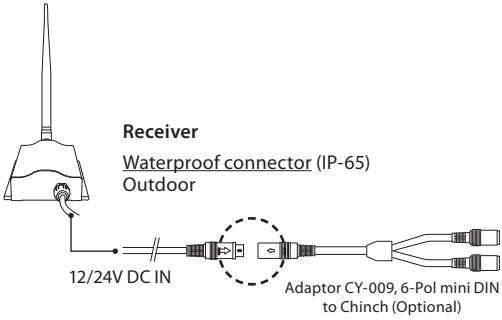
ATTENTION: The transmission time of the picture from the camara to the monitor takes less than 200ms, so please take care while driving backwards.

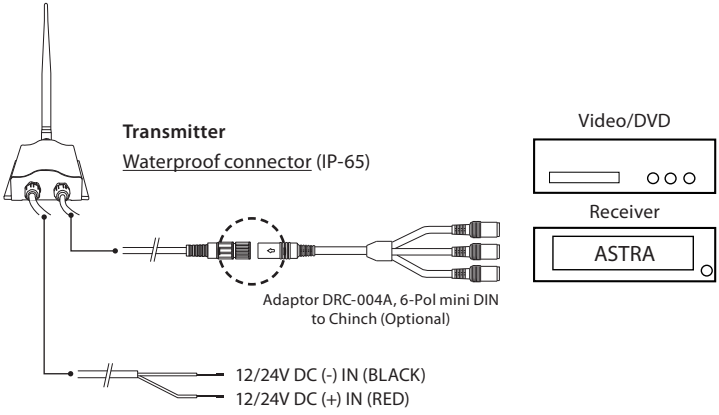
■ The surrounding temperature should be between -10° C und 55° C

4 CONNECTION AND INSTALLATION

Original CAMOS Rear-view system >>




Receiver
Waterproof connector (IP-65)
Outdoor
12/24V DC IN
Adaptor CY-009, 6-Pol mini DIN
to Chinch (Optional)
Monitor (4″ ~ 19″)


Transmitter
Waterproof connector (IP-65)
Adaptor DRC-004A, 6-Pol mini DIN
to Chinch (Optional)
12/24V DC (-) IN (BLACK)
12/24V DC (+) IN (RED)
Video/DVD
Receiver
ASTRA

5 CLEANING AND MAINTENANCE

■ Cleaning

- Disconect the modul from power supply
- Cleaning with a clammy cloth

■ Entering of contaminats

Never enter contaminats into the body, there could be a short circuit and the system could be broken.
Do not water the housing.

■ Maintenance

Do not try to repair the system by yourself. Do not open or remove the cover. Please contact professional services.

6 SPECIFICATIONS

POWER SUPPLY	VOLTAGE	DC 12V - 24V
	CURRENT	4 Watt (DC 12V)
CHANNEL	Max, 10	2412 MHz to 2457 MHz
VIDEO INPUT SIGNAL	Composite Video Signal	
OPERATING TEMPERATURE	-10˚C ~ 55˚C	
STORAGE TEMPERATURE	-20˚C ~ 70˚C	
DIMENSION	142(W) x 90(H) x 33(D) mm	
WEIGHT	290g	
RANGE	up to 50m inside/ 200m out side	
OPERATING SYSTEM	High-Level OS embedded	
IMAGE TRANSFER RATE	30 fps real time Video transmitting	
COMMUNICATION	IEEE 802.11n HT20, WiFi Communication	
CONDIFICATION SYSTEM	High Level Security 64/128 bit WEP, WPA, WPA2	

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

_Reorient or relocate the receiving antenna.
_Increase the separation between the equipment and receiver.
_Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
_Consult the dealer or an experienced radio/TV technician for help.

Caution : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE : To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

EC R&TTE Compliance Statement

CE 0678!

Hereby, Camos Co., Ltd., declares that this model DVWS-100 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The declaration of conformity may be consulted at www.address.com/DoC.pdf.

IMPORTANT NOTE: To comply with Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be colocated or operating in conjunction with any other antenna or transmitter.

Intended use of the equipment: Digital video and audio transmission system

This equipment may be operated in EU.

Restrictions of use:

France	Only the frequency band within 2412 MHz - 2447 MHz (8 CHs) is available for outdoor use. *Outdoor use limited to 10 mW e.i.r.p. within the band 2454-2483.5 MHz. Military Radiolocation use. Refarming of the 2.4 GHz has been ongoing in recent years to allow current relaxed regulation. Full implementation planned 2012.*
Italy	General authorisation is required. *For private use, a general authorisation is required if WAS/RLAN's are used outside own premises. For public use, a general authorisation is required.*
Norway	Restricted at the geographical area within a radius of 20 km from the centre of Ny-Ålesund.
Russian Federation	SRD with DSSS and other than FHSS wideband modulation. *1. Maximum mean e.i.r.p. density is 2 mW/MHz. Maximum 100 mW e.i.r.p.* *2. Maximum mean e.i.r.p. density is 20 mW/MHz. Maximum 100 mW e.i.r.p. Permitted to use SRD for outdoor applications only for purposes of gathering telemetry information for automated monitoring and resources accounting systems or security systems.* *3. Maximum mean e.i.r.p. density is 10 mW/MHz. Maximum 100 mW e.i.r.p. Indoor applications.*

MEMO

INSTRUCTION MANUAL