

DXS300

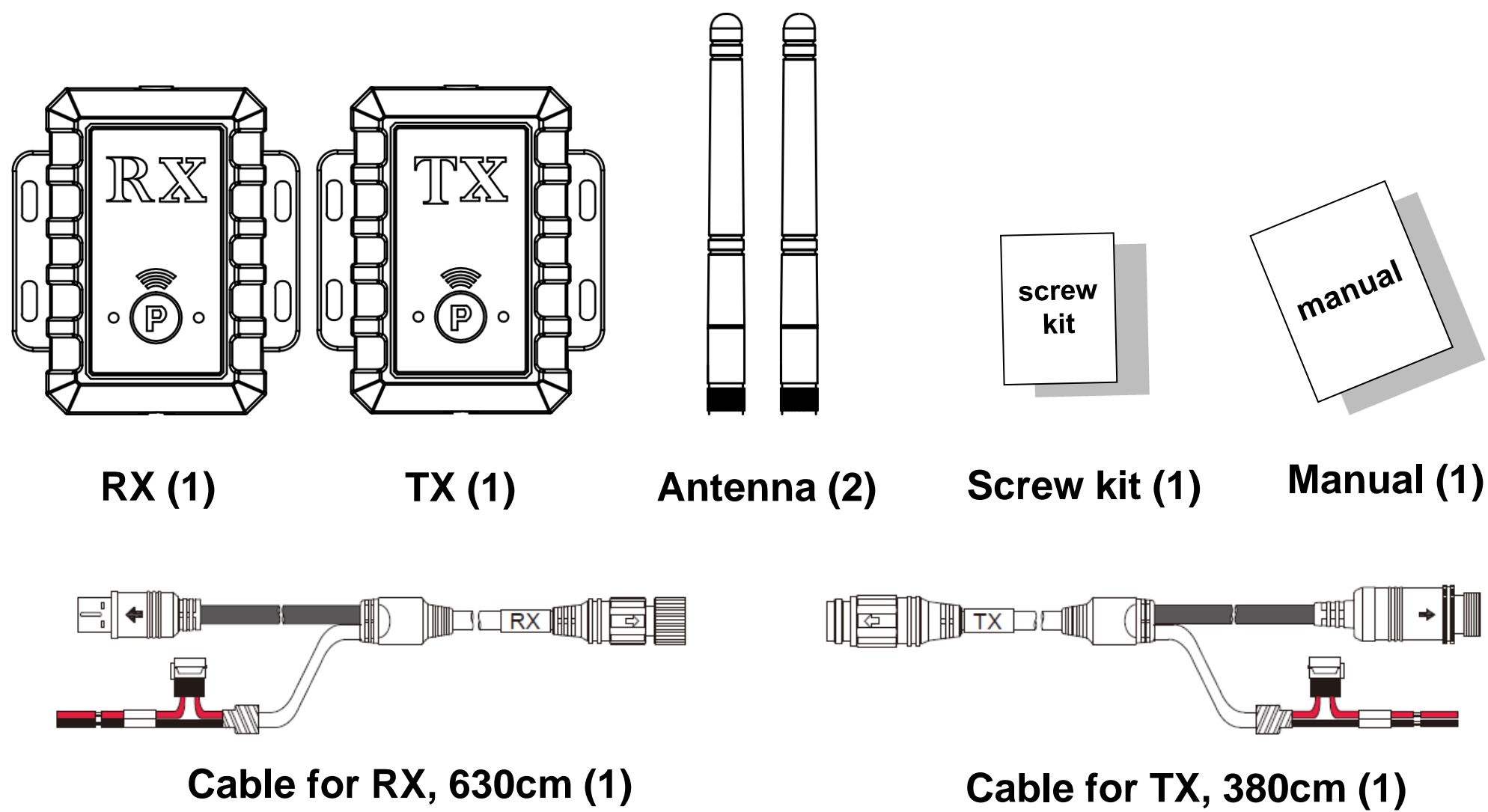
Digital Wireless System (Transmitter & Receiver)

Instruction Manual

◆ DXS300 Digital Wireless System



◆ Contents



◆ Features

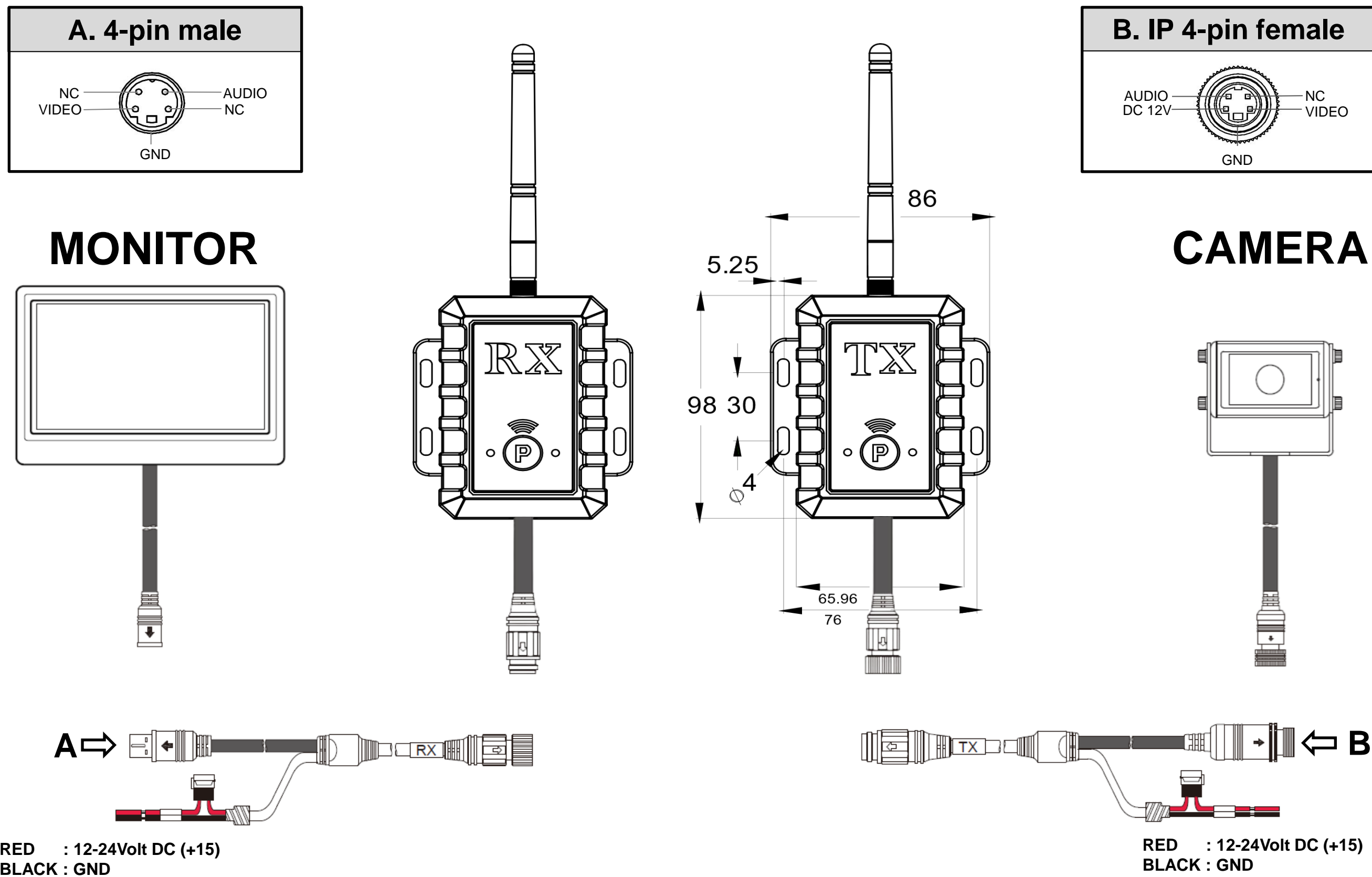
- Wireless Digital Transmission of Video and Audio
- Wireless Range Max. 200 meters (at the open space)
- Secured wireless link
- Free Input Voltage (DC 12V ~ 24V)
- Re-pairing function to enable interchanging trailers and trucks each other
- Adaptive Frequency Hopping (smart modulation)
- Display signal strength indicator (at the monitor)
- Status LEDs (power & pairing)
- IP68 waterproof (transmitter & receiver)
- Aluminum alloy housing

◆ Technical Specifications

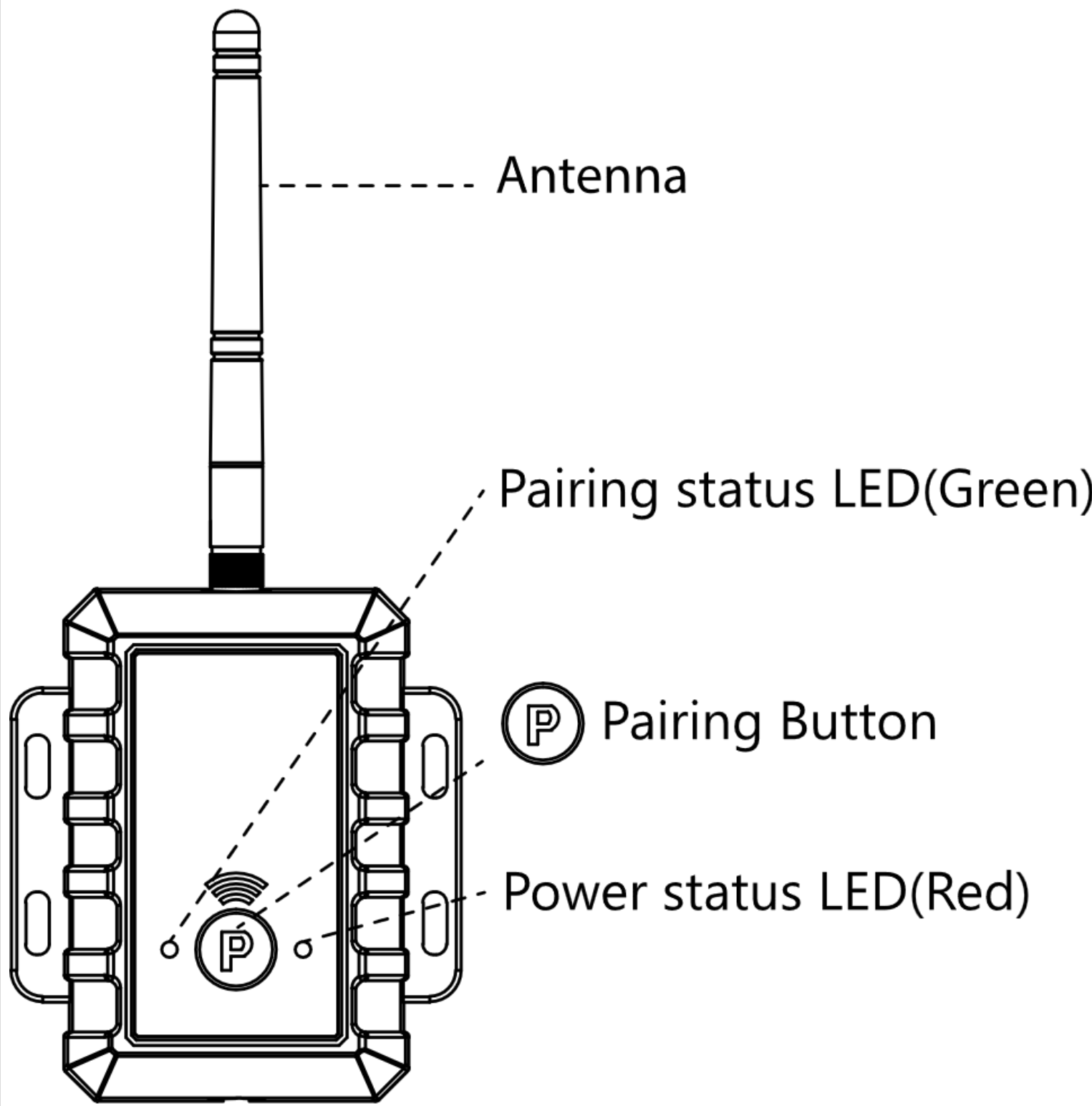
Operating frequency	2400MHZ ~ 2483.5MHZ Digital Wireless Rx/Tx
Modulation system	Adaptive Frequency Hopping
Wireless range	Max. 200 meters (at the open space)
Latency	Under 120 msec communication (at the open space)
TV system	CVBS PAL
Video Input/Output	TX video input : CVBS/AHD/TVI, RX video output : CVBS
Audio Input/Output	AUDIO Max. 2VP-P, 50Ω
High Resolution	640 x 480 (PAL)
Power supply	DC 12 ~ 24V
Power consumption	2.4 Watt Max.
Current consumption	200 mA Max. (at 12V DC)
Operating temperature	-20°C ~ 70°C
IP Rating	IP68
Dimensions	Transmitter (TX): 98mm x 86mm x 25mm Receiver (RX): 98mm x 86mm x 25mm
Weight	Transmitter (TX): approx. 0,47 Kgs incl. cables Receiver (RX): approx. 0,49 Kgs incl. cables

◆ Installation

■ Connection Wiring



■ Button & LED Indicators RX & TX



■ How to do “Pairing”

1. Connect the receiver (RX) to the monitor and connect the transmitter (TX) to the camera.
2. When the power ON (RX, TX), Red color LED indicator (RX, TX) turns on permanently.
3. Press (P) button on RX unit for 3 seconds, then press (P) button on TX unit for 3 seconds.
4. Red color LED indicator will start blinking.
When the pairing is finished, Green color LED indicator (RX, TX) turns on permanently.



* Screen image when “Pairing” is successfully done.

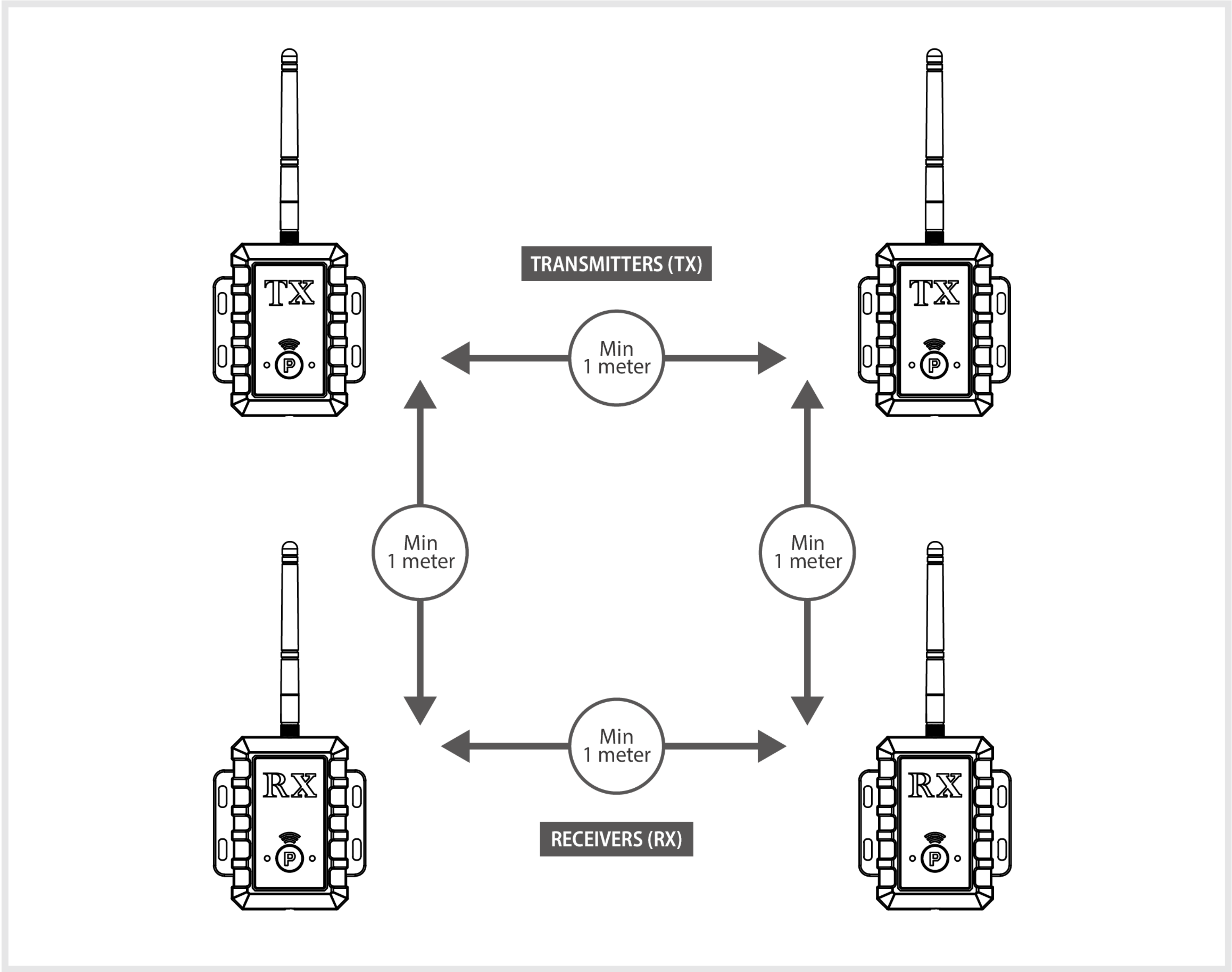
< Note >

1. If there is “LOST LINK” image on the screen, please check the connection on TX unit, then please proceed “Pairing” again.
2. If there is “no image” on the screen, please check the connection on RX/TX units, then please proceed “Pairing” again.

* Design And Specifications Are Subject To Change Without Notice.

Important Notice!!

1. In order to experience best reception results, keep the distance between the TX (transmitter) and RX (receiver) at least 1 meters.
 2. In case multiple DXS300 systems installed at one vehicle, then the distance between each TX (transmitter) must be at least 1 meters, and the distance between each RX (receiver) must be at least 1 meter.
 3. When installed indoors, WIFI interference may affect communication between the TX (transmitter) and RX (receiver).
 4. Please do not install the TX (transmitter) or RX (receiver) around magnetic fields, which can cause interference & noise.



* Required quantity of antenna bars (displayed at the monitor):

- a) For optimal performance, adjust receiver antenna's direction until the required quantity of antenna bars are visible.
 - b) For optimal performance, adjust transmitter antenna's direction until the required quantity of antenna bars are visible.
 - c) You can also vary the transmitters' / receivers' positions to achieve optimal performance.
 - d) Make sure to find proper installation positions until total 5 antenna bars for each TX-RX set are displayed at the monitor.
- When the number of antenna bars is 2 or less than 2, then interference & noise may affect the stability of the wireless video signals.

