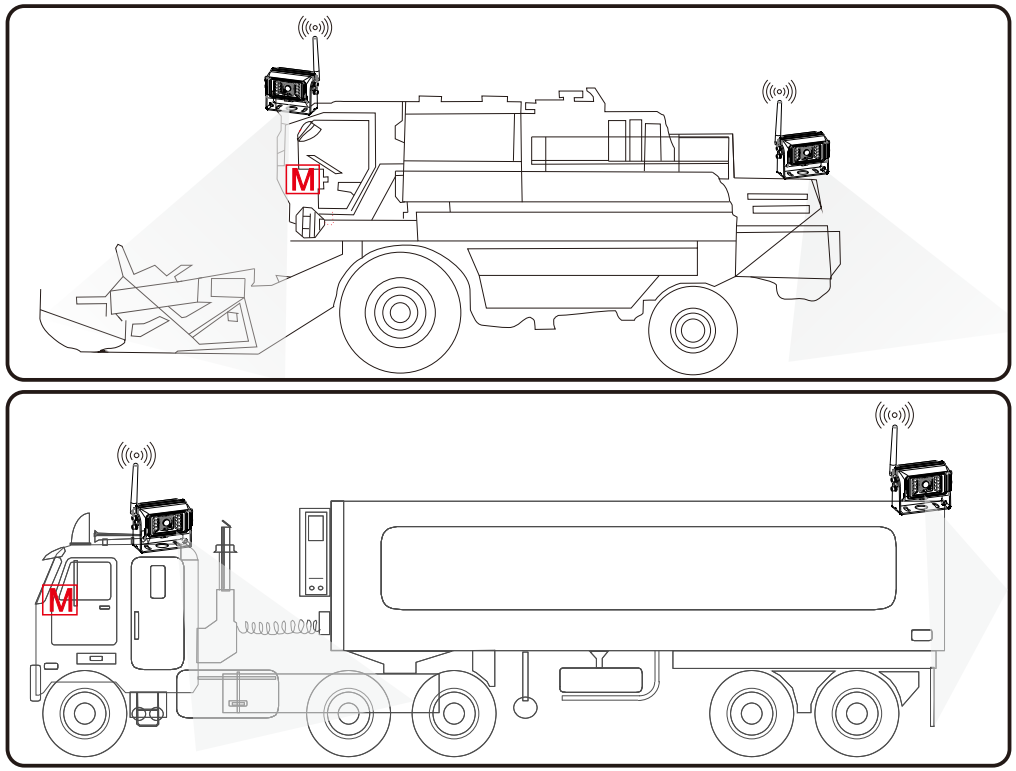
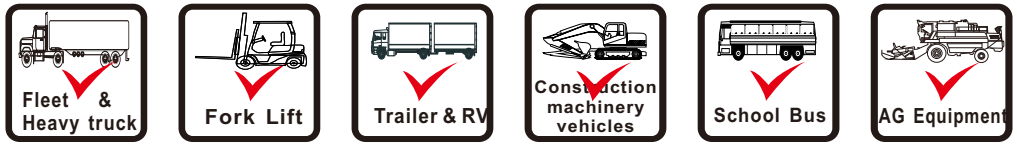
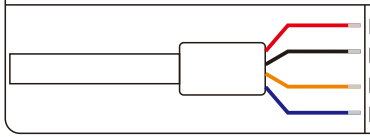
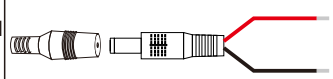
## Applications

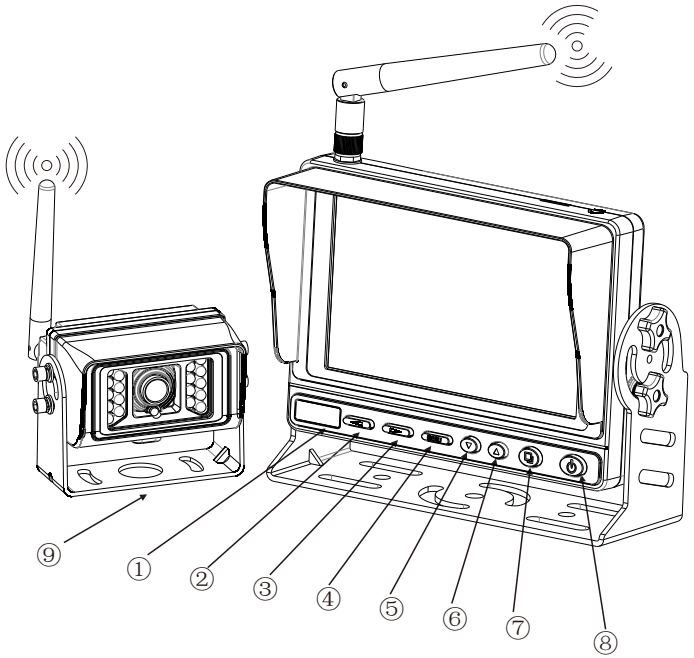



## Cable Interface Definition

| Monitor | | Camera | |
|---|---|---|---|
|  | Red Power<br>Black Ground<br>Brown TIRG1<br>Blue TIRG2 |  | Red Power<br>Black Ground |

# High resolution Digital wireless system User Manual




①Napmelate ②Left(Vol-) ③Right(Vol+) ④Menu/Esc ⑤Down(CH switch)
⑥Up(CH switch) ⑦OK ⑧Power ⑨Digital wireless camera

## Features

★ABS monitor housing endure high temperature.
★5" High resolution color TFT-LCD.
★ Power input:8V-32V DC.
★Monitor circuit has protector for battery reverse(+/-).
★LED backlight display with constant voltage constant current circuit protection. It can solve LED working temperature problems (the limit of LED backlight's current) and prolong life.
★Monitor OSD menu can set each channel camera image in 4 mode NOR/MIR/UP/DOWN;the priority for each mode; each trigger cable can be set to trigger to any display mode; time delay setting.
★Two channels digital wireless signal transmission. It supports sub-screen and two screens.
★ Camera waterproof: IP69K.

## Digital wireless system technical Parameters

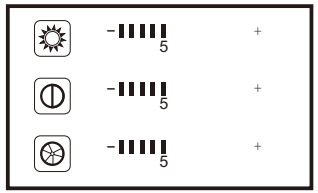
| | |
|---|---|
| Display Device | Color TFT-LCD |
| Size | 5" Digital Screen |
| Operation Frequency | 2400 ~ 2483.5MHz |
| Receiving Sensitivity | ≤-86dBm(1MHZ QPSK MD300RE) |
| Resolution | 800×(RGB)×480 |
| View Angle (LR/UD) | L/R: 70/70 U/D: 50/70 |
| Contrast Ratio | 300:1 |
| Luminance(cd/$m^2$) | 300 |
| Response Time (ms) | 25 |
| Load Dump | DC 12+87V/400ms |
| Operating Temperature | -20℃ ~+60℃ |
| Storage Temperature | -30℃ ~+80℃ |
| operating voltage range | DC8V~32V （5W Max） |
| Dimension（L x W x T） | 139X100X55（mm） |
| Transmission Power | 18dBm with Power control |
| Camera | Color CMOS Camera |
| Image Pick-up Device | 1/3" Color CMOS |
| Picture Elements | NTSC:720(H)X480(V);PAL:720(H)X480(V) |
| Horizontal Resolution | 500 TV Lines |
| Minimum illumination | 0 Lux At Night （IR LED ON） |
| View Angle | 120° |
| Waterproof rating | IP69K |
| Shockproof Rating | 10G |
| operating voltage range | DC11~32V |
| Dimension | 106(W)x75(H)x70.4(D)mm |

**⚠ Warning**

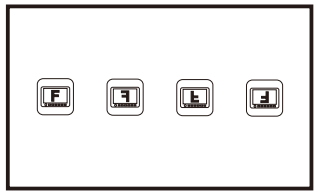
The system maintenance must be maintained by professionals, please do not open and improve the system!
The system is only for the safe operation of equipment and not responsible for accidents!
This manual is for reference only. if unknown, or any changes, we will give no notice.
The final interpretation right belongs to the manufacturer

## Monitor Menu Operation

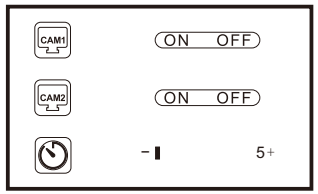
1)Pair: Establish the connection between the monitor and camera, make the system work in order.
Enter the menu, chose PAIR and press OK to enter the pair. the monitor display **PAIRING START 50.** During the 50 seconds, make the camera re-energized, the monitor will show the camera image in 5~10s.



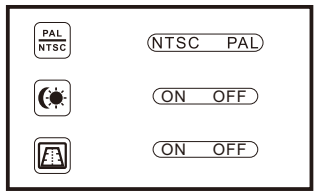

2) Picture setting:
Enter the menu, chose the picture and press OK,
1. Brightness: 0-10 (Press left/right to adjust)
2. Contrast: 0-10 (Press left/right to adjust)
3. Color: 0-10 (Press left/right to adjust)



3) Mirror/Normal image setting:
Set the CAM1 and CAM2 image in 4 modes.




4) Auto Scan setting:
1. Set CAM1 auto scan mode on/off;
2. Set CAM2 auto scan mode on/off;
3. Set the auto scan time.




5) Other function:
1. NTSC or PAL system switch;
2. LED screen ambient light sensor on/off.
3. Electronic Label setting: Turn on/off the electronic label on CAM1.

**Note:**
When the monitor in **SCAN** mode, the CAM1 and CAM2 image will switch automatically according the setting time. Press ▼/▲ to quit the switch.