





# 2.4GHz DIGITAL WIRELESS D1 / QUAD MODE

D1 Mode		Quad Mode	
<p><b>W-DBB11</b></p> <p><b>TX BOX 1 PCS</b> + <b>RX BOX 1 PCS</b></p>  <p>Wireless TX Box    Wireless RX Box</p>	<p><b>W-DCB11-MS / HS</b></p> <p><b>TX CAM 1 PCS</b> + <b>RX BOX 1 PCS</b></p>  <p>Wireless TX Camera    Wireless RX Box</p>	<p><b>W-QBB41</b></p> <p><b>TX BOX 4 PCS</b> + <b>RX BOX 1 PCS</b></p>  <p>Wireless TX Box    Wireless RX Box</p>	<p><b>W-QCB41-MS / HS</b></p> <p><b>TX CAM 4 PCS</b> + <b>RX BOX 1 PCS</b></p>  <p>Wireless TX Camera    Wireless RX Box</p>

## Wireless Transmitter Camera

MODEL TYPE		Mid-Res.	Hi-Res.	MODEL TYPE	Mid-Res.	Hi-Res.
Scanning System	NTSC	525 lines 2:1 interlace		BLC	ON or OFF Switch Control	
	PAL	625 lines 2:1 interlace		Gamma Correction	0.45	
Scanning Frequency	NTSC	15,734Hz(H) , 59.4Hz(V)		AES	ON (Electronic Shutter) , OFF (DC drive auto iris)	
	PAL	15,625Hz(H) , 50Hz(V)		Flicker less	ON/OFF, ON:NTSC AES 1/100, PAL:AES 1/120	
Effective Pixel	NTSC	512(H) x 492(V)	768(H) x 492(V)	SYNC System	Internal	
	PAL	500(H) x 582(V)	752(H) x 582(V)	Lens	DC drive auto iris lens / C, CS Mount	
Electronic Shutter	NTSC	1/60-1/100,000sec.		Video Output	1.0 Vp-p 75 Ohm (BNC)	
	PAL	1/50-1/100,000sec.		Power Requirement (+/-10%)	DC12V	
Image Device	1/3" SONY CCD		Power Consumption (+/-10%)	300mA / 3.6W		
Horizontal Resolution	420 TV lines	540 TV lines		Construction	Aluminum with sun-shield weatherproof	
Sensitivity	0.2Lux	0.5Lux		Operation Temp.	Working: -10~+55 C, Storage: -30~+60°C, Humidity:0~85%RH	
Signal to Noise	More than 48dB				Dimension(mm)	118(L) x 58(H) x 50(W)
Gain Control	AGC 0-18dB or 0-26Db, ON /OFF			Weight(N.W)	Approx. 0.58kg	
White Balance	Auto 3200~10000°K					

Wireless Transmitter				
Operation System	Embedded Linux	Wireless	Frequency	2.4GHz-2.4835GHz
Video Type	NTSC/PAL		Channels	13
Video Compression	MPEG4		Channel Spacing	5MHz
Video Resolution	NTSC : 720x480,360x240, PAL : 720x567,360x288		Output Power	10dBm±2dBm
Audio Compression	G.721		Receiver Sensitivity	-85dBm
Microphone Input	1 Port		Transmitting Velocity	QPSK:5Mbps (FER 5%and below)
LED	System status / RF status		Distance (5dBi antenna)	QPSK:300m

## Wireless Receiver Box

Operation System	Embedded Linux	Wireless	Channel Spacing	5MHz
Video Type	NTSC/PAL		Output Power	10dBm±2dBm
Video Compression	MPEG4		Receiver Sensitivity	-85dBm
Video Output	1 Port		Transmitting Velocity	QPSK:5Mbps (Typical)
Frame by Second	D1 30fps(1CH) , CIF 120fps(4CH)		Distance (5dBi antenna)	QPSK:300m
Video Resolution	NTSC : 720x480,360x240, PAL : 720x567,360x288	Control Switch	Channel choice	
Audio Compression	G.721	LED	System status/RF status	
Audio output	1 Port	Power Adapter ( +/-10%)	DC12V / 250mA	
Wireless	Frequency	2.4GHz-2.4835GHz	Dimension(mm)	107(L) x 30(H) x 96(W)
	Channels	13	Weight(N.W)	Approx. 200g

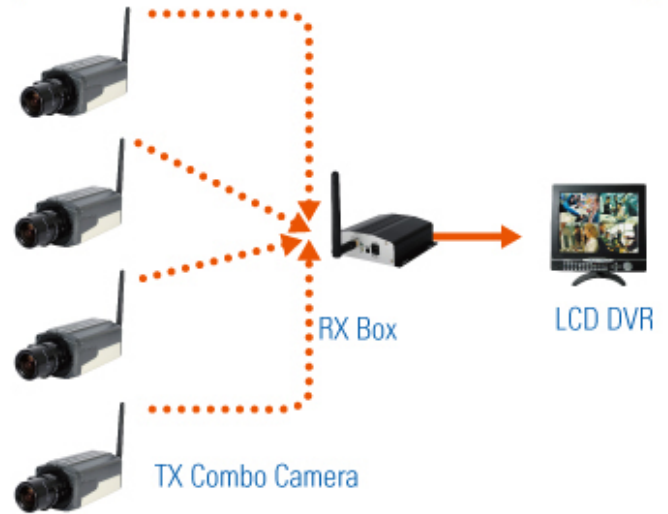
Design and specifications are subject to change without notice.

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## One TX / RX Box Application



## 4 TX Combo Application



## 1 TX Combo Application



COMPARISON TABLE

	Neotech's 2.4GHz wireless camera	Other company's 2.4GHz wireless camera	Other company's 900MHz wireless camera
Image sensor	<b>CCD</b>	CMOS	CMOS
Video type	<b>NTSC/PAL</b>	NTSC/PAL	NTSC/PAL
Video compression	<b>MPEG4</b>	M-JPEG	NON
Frame rate	<b>D1 /30fps</b>	VGA/9fps	N/A
Technology	<b>DSSS</b>	FHSS	FM
RF channel	<b>13</b>	Auto	2
Output power	<b>10dBm</b>	10dBm	10dBm
Sensitivity	<b>-85dBm</b>	-85dBm	-85dBm
Throughput	<b>5Mbps</b>	2Mbps	N/A
Distance	<b>300m Max</b>	100m	100m

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