Quick Start Guide

STAR-LIGHT HDCOAX

Super Low Light HD Over Coax Cameras

DWC-PTZ20X



WHAT'S IN THE BOX					
QSG Manual		1 Set	Torx Wrench		1 Set
Mounting Template Sheet		1 Set	2 Pin – 5 Pin Screw Type Connector		1 Set
Mounting Bracket		1 Set	Mounting Screw (PH6 x 35), Plastic Anchor, O-Ring – 4EA		1 Set

OPTIONAL ACCESSORIES FOR THE DWC-PTZ20X		
For Wall Mount: DWC-P20WM2	For Ceiling Mount: DWC-P20CM2	
For Corner and Pole Mount: DWC P20CNIM (Must be		

For Corner and Pole Mount: DWC-P30CNM (Must be purchased with DWC-P20WM2)

NOTE: Mounting accessories are required and sold separately.

NOTE: Download All Your Support Materials and Tools in One Place

- 1. Go to: http://www.digital-watchdog.com/support-download/
- Search your product by entering the part number in the 'Search by Product' search bar. Results for applicable part numbers will populate automatically based on the part number you enter.
- 3. Click 'Search'. All supported materials, including manuals, Quick Start Guides (QSG), software and firmware will appear in the results.

Attention: This document is intended to serve as a quick reference for initial set-up. It is recommended that the user read the entire instruction manual for complete and proper installation and usage.

Tel: +1 (866) 446-3595 / (813) 888-9555

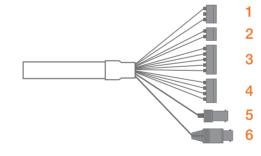
digital-watchdog.com

Technical Support Hours: 9:00AM - 8:00PM EST, Monday thru Friday



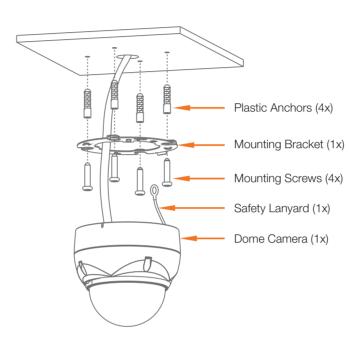
STEP 1 – CAMERA WIRING

No	Connector	Wire Color	Description
1 3-Pin Terminal Blo	O Die Terreie el Die el	Red	24V AC or 12V DC+
	3-Pin Terminai Block	White	24V AC or 12V DC+
	0. D. T	Green	RS-485+
2 2-Pin Term	2-Pin Terminal Block	Blue	RS-485+
3 5-Pin Terminal Bloc		Gray	Alarm Input 1
		Violet	Alarm Input 2
	5-Pin Terminal Block	Orange	Alarm Input 3
		Sky Blue	Alarm Input 4
		Black	GND
		Yellow	Alarm Output 1
4 4-Pin T	4-Pin Terminal Block	Black & White	GND
	4-Pin Terminai Block	Sky Blue & Black	Alarm Output 2
		Orange & Black	GND
5	BNC Jack	Blue	HD-TVI / HD-Analog Output
6	BNC Jack	Black	CVBS Output

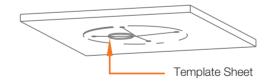


NOTE: The camera must be installed by qualified service personnel in accordance with all local and federal electrical and building codes.

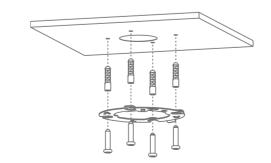
STEP 2 – INSTALLING THE CAMERA



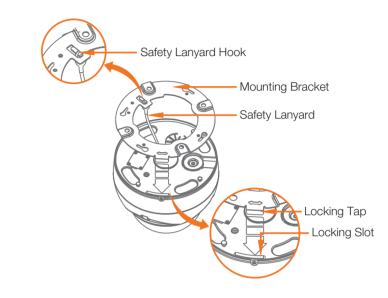
1. Select Mounting Position.



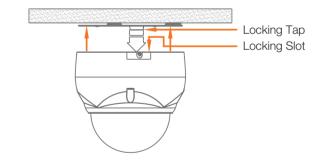
2. Position the Mounting Bracket.



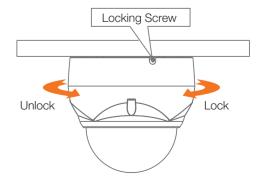
3. Ensure the Safety Lanyard.



4. Mount and Twist the Dome to Fix.



5. Fix Locking Screw.

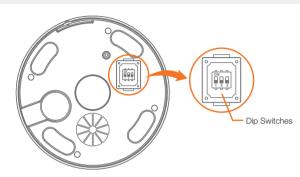




STEP 3 - DIP SWITCH SETTING FOR SIGNAL & PROTOCOL

NOTE: Default DIP switch option is all OFF (HD-TVI output/TVI-C)

NOTE: UTC/PTZ control at HD-Analog mode from VMAX® A1™ is under



1. Video Default Signal is HD-TVI Output



S1-D1	VIDEO SIGNAL
OFF	HD-TVI OUTPUT
ON	HD-Analog OUTPUT

2. Coaxitron Protocol

S1-D2	S1-D3	HD-TVI OUTPUT	AHD OUTPUT
OFF	OFF	TVI-C	A_CP-PTZ
ON	OFF	Pelco-C	Reserved
OFF	ON	Reserved	Reserved
ON	ON	Reserved	Reserved

STEP 4 – CONNECT POWER AND I/O

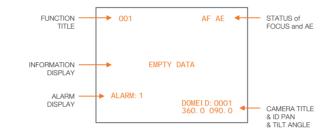
- 1. Connect 12VDC or 24VAC for Mini-PTZ camera power on (Use satisfy clause 2.5 of IEC60950-1/UL60950-1 or Certified / Listed Class 2 power source only)
- 2. Power consumption: 12W @ 12VDC/24VAC
- 3. 3. HD-TVI/HD-Anaolg output (BNC)
- 4. CVBS Analog output (BNC, 720x480)
- 5. 4 Alarm input
- 6. 2 Alarm output (5V TTL)
- **7.** RS-485

STEP 5 – OSD FUNCTIONS

NOTE: Please see the full product manual for web viewer setup, functions and camera settings options.

NOTE: This OSD control only can be through DVR or Keyboard controller.

OSD DISPLAY



MENU SETUP

Press the menu button to call Mini-PTZ menu in control device.

DOME MENU AUTO SCAN PRESET TOUR
PATTERN
PRI VACY ZONE CAMERA DOME COMMUNICATION DOME SETUP EXIT (ESC TO EXIT)

AUTO SCAN

AUTO SCAN SETUP		
NUMBER TITLE MODE SPEED START ANGLE END ANGLE SCAN DIR SWAP DWELL FOCUS SAVE AND EXIT (I	: 01 : A01 : NORMAL : 5 STEP : : CCW : OFF : 03 SEC : AUTO : AUTO	

NUMBER 01 ~ 08, 10 ~ 17, **09**: AUTO-PAN mode TITLE

Up to 6 characters MODE

NORMAL, VECTOR, RANDOM (AUTO-PAN mode: NORMAL,

RANDOM only)

NORMAL Move from start point to end point in panning only Move from start point to end point including tilt and zoom

simultaneously and linearly

Move randomly between the start point and the end point

SPEED SWAP

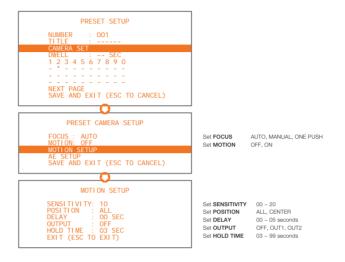
1 ~ 13 step, the lower number means the slower speed SCAN DIR Set the Scan direction, CCW (Counter Clock Wise), CW (Clock Wise)

Swaps the start point for the end point DWELL Set the dwell time at the both end. 01 ~ 99 seconds

FOCUS AUTO, MANUAL

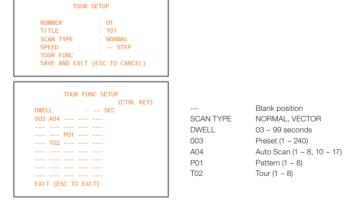
PRESET

User can set from 1 to 240 preset with control of focus, motion, AE functions.



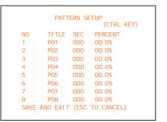
TOUR

User can set the up to 8 programmable Tour preset positions, patterns and scans.



PATTERN

User can set up to 8 programmable Pattern with recorded user own control.



DOME COMMUNICATION

User can set the up to ID, protocol, baudrate.



DOME ID 1 ~ 3999 PROTOCOL AUTO, F2/F2F, PFI CO-PD BAUDRATE 2400, 4800, 9600, 19200, 38400 bps NONE, EVEN, ODD TERMINATION (RS-485) OFF. ON

DOME SETUP

CONFIGURATION MENU HOME FUNCTION SETUP VIEW ANGLE SETUP ORIGIN OFFSET FACTORY DEFAULT DOME RESET OSD DI SPLAY SYSTEM SETUP FUNCTION RUN SYSTEM INFORMATION EXIT (ESC TO EXIT)

Home Function Setup

HOME FUNCTION SETUP **FUNCTION** NUMBER WAITING TIME : 120 SEC SAVE AND EXIT(ESC TO CANCEL)

FUNCTION NONE, TOUR, PATTERN, AUTO SCAN, PRESET NUMBER WAITING TIME 10 ~ 240 seconds

ENABLE ON, OFF

View Angle Setup

VIEW ANGLE SETUP PANNING RANGE TILT ANGLE LIMIT SAVE AND EXIT (ESC TO CANCEL)