

# How to use TCP/UDP control the SMTAV camera?

The camera includes an internal TCP server. The default port number is 5678. When client and server set up a TCP connection, the client sends PTZ command to the internal server and the server will then parse and execute the PTZ commands.

The camera includes an internal UDP server. The default port number is 1259. When client and server set up a UDP connection, the client sends PTZ commands to the internal server and the server will then parse and execute the PTZ commands.

The command format based on VISCA is shown as bellow:

Inquiry Command List			
Command	Command	Response	Comments
		90 50 02 FF	On
		90 50 03 FF	Off (Standby)

1

Chat

CAM_PowerInq	81 09 04 00 FF	90 50 04 FF	Internal power circuit error
CAM_ZoomPosInq	81 09 04 47 FF	90 50 0p 0q 0r 0s FF	pqrs: Zoom Position
CAM_FocusAFMode	81 09 04 38 FF	90 50 02 FF	Auto Focus
Inq		90 50 03 FF	Manual Focus
CAM_FocusPosInq	81 09 04 48 FF	90 50 0p 0q 0r 0s FF	pqrs: Focus Position
CAM_WBModelInq	81 09 04 35 FF	90 50 00 FF	Auto
		90 50 01 FF	Indoor mode
		90 50 02 FF	Outdoor mode
		90 50 03 FF	OnePush mode
		90 50 05 FF	Manual
		90 50 20 FF	ColorTemperature Mode
CAM_RGainInq	81 09 04 43 FF	90 50 00 00 0p 0q FF	pq: R Gain
CAM_BGainInq	81 09 04 44 FF	90 50 00 00 0p 0q FF	pq: B Gain
		90 50 00 FF	Full Auto

CAM_AEModelnq	81 09 04 39 FF	90 50 03 FF	Manual
		90 50 0A FF	Shutter priority
		90 50 0B FF	Iris priority
		90 50 0D FF	Bright
CAM_ShutterPosInq	81 09 04 4A FF	90 50 00 00 0p 0q FF	pq: Shutter Position
CAM_IrisPosInq	81 09 04 4B FF	90 50 00 00 0p 0q FF	pq: Iris Position
CAM_BrightPosInq	81 09 04 4D FF	90 50 00 00 0p 0q FF	pq: Bright Position

CAM_ExpCompMod	81 09 04 3E FF	90 50 02 FF	On
elnq		90 50 03 FF	Off
CAM_ExpCompPosl	81 09 04 4E FF	90 50 00 00 0p 0q FF	pq: ExpComp Position
nq			

CAM_BacklightMode		90 50 02 FF	On
Inq	81 09 04 33 FF	90 50 03 FF	Off
CAM_Nosise2DMode		90 50 02 FF	Auto Noise 2D
Ing	81 09 04 50 FF	90 50 03 FF	Manual Noise 3D
CAM_Nosise2DLevel	81 09 04 53 FF	90 50 0p FF	Noise Reduction (2D) p: 0 to 5
CAM_Noise3DLevel	81 09 04 54 FF	90 50 0p FF	Noise Reduction (3D) p: 0 to 8
CAM_FlickerModeln			
q	81 09 04 55 FF	90 50 0p FF	p: Flicker Settings(0: OFF, 1: 50Hz, 2: 60Hz)
CAM_ApertureModel		90 50 02 FF	Auto Sharpness
nq (Sharpness)	81 09 04 05 FF	90 50 03 FF	Manual Sharpness
CAM_ApertureInq			
(Sharpness)	81 09 04 42 FF	90 50 00 00 0p 0q FF	pq: Aperture Gain
		90 50 02 FF	On
SYS_MenuModelnq	81 09 06 06 FF	90 50 03 FF	Off

CAM_PictureEffectM		90 50 02 FF	Off
odelnq	81 09 04 63 FF	90 50 04 FF	B&W
		90 50 02 FF	On
CAM_LR_ReverseInq	81 09 04 61 FF	90 50 03 FF	Off
		90 50 02 FF	On
CAM_PictureFlipInq	81 09 04 66 FF	90 50 03 FF	Off
CAM_ColorGainInq	81 09 04 49 FF	90 50 00 00 00 0p FF	p: Color Gain setting 0h (60%) to Eh (200%)
Pan-tiltPosInq	81 09 06 12 FF	90 50 0w 0w 0w 0w 0z 0z 0z 0z FF	www: Pan Position zzzz: Tilt Position
CAM_GainLimitInq	81 09 04 2C FF	90 50 0q FF	p: Gain Limit
		90 50 01 FF	High
CAM_AFSensitivityl		90 50 02 FF	Normal
nq	81 09 04 58 FF	90 50 03 FF	Low

CAM_BrightnessInq	81 09 04 A1 FF	90 50 00 00 0p 0q FF	pq: Brightness Position
CAM_ContrastInq	81 09 04 A2 FF	90 50 00 00 0p 0q FF	pq: Contrast Position
CAM_FlipInq	81 09 04 A4 FF	90 50 00 FF	Off
		90 50 01 FF	Flip-H
		90 50 02 FF	Flip-V
		90 50 03 FF	Flip-HV
CAM_AFZone	81 09 04 AA FF	90 50 00 FF	Top

		90 50 01 FF	Center
		90 50 02 FF	Bottom
CAM_ColorHueInq	81 09 04 4F FF	90 50 00 00 00 0p FF	p: Color Hue setting 0h (– 14 degrees) to Eh ( +14

			degrees
--	--	--	---------

CAM_AWBSensitivityInq	81 09 04 A9 FF	90 50 00 FF	High
		90 50 01 FF	Normal
		90 50 02 FF	Low
CAM_UACInq	81 2A 02 A0 04 FF	90 50 02 FF	On
		90 50 03 FF	Off

 SHARE
  TWEET
  PIN IT

Leave a comment

1

 [Contact Us](#)

POST COMMENT

[← BACK TO HOW TO USE THE CAMERA](#)

#### Quick links

[Affiliate Portal](#)

[Home Page](#)

[Usage Guide](#)



Documents

Downloads

Terms of Service

Refund policy

BUY ON ALIEXPRESS

Products

All Products

4K Camera

NDI Camera

SDI Camera

USB Camera

PTZ Controller

Solution Kit

Accessories

SKD

Newsletter

SUBSCRIBE



© 2025, SMTAV Powered by Shopify

© 2025, SMTAV Powered by Shopify