



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# Product Specification

## CUSTOMER'S APPROVAL

**COMPANY** \_\_\_\_\_

**SIGNATURE** \_\_\_\_\_

**DATE** \_\_\_\_\_

This product specification is subject to change without notice.  
Please return one copy with your signature on this page for approval.

# Product Specification

## 1. SPECIFICATION

Model	32KM NTSC	32KM PAL
Image device	1/3" PIXEL CMOS SENSOR PC1089K	
TV Type	NTSC	PAL
Effective Pixels	728(H) x 488(V) 380K	
Cell Size	6.35 $\mu$ m(H) x 7.40 $\mu$ m(V)	
Horizontal Resolution	More than 520 TV Lines	
Sync. Type	Internal	
Scanning System	2:1 Interlace	2:1 Interlace
Scanning System		
Scanning Frequency (H)	15.735KHz	15.625KHz
Scanning Frequency (V)	60Hz	50Hz
Video Output	1.0 vp-p Composite (75 $\Omega$ )	
Gamma Correction	0.45 typ.	
Sensitivity	0.2 Lux @ F2.0	
S/N Ratio	More than 42Db (AGC OFF)	
Gain Control Gain Control	Automatic Automatic	
Electronic Shutter	1/60 ~ 1/100,000sec Auto	1/50 ~ 1/100,000sec Auto
Power Supply	Regulated DC12.0V (6V ~ 20V)	
Consumption Current	Max 50mA	
Reverse Polarity	Yes	
Lens Mount	Fixed Lens Mount	
Operation Temp	10 50°C (H idit 10%RH 60%RH) -10 ~ 50°C (Humidity: 10%RH ~ 60% RH)	
Operation Temp	-20 ~ 70°C (Humidity: 10% RH ~ 60%RH)	
Preservation Temp		
Dimensions	32mm(H) x 32mm(W)	
Weight	Approx. 26g	
Lens Options	Board	
	Pinhole	
	Varifocal	f=3.6(Standard) / 2.2 / 2.9 /

RoHS

Varifocal  
Compliant

Varifocal  
Compliant

Varifocal  
Compliant

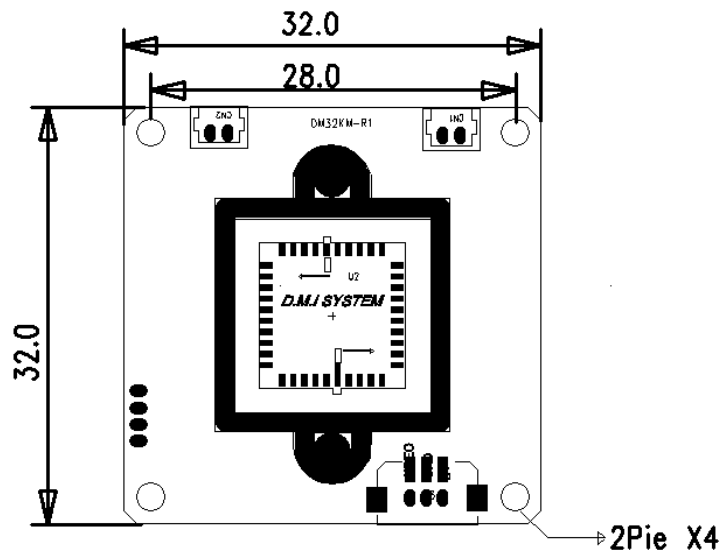
4.3 / 6 / 8 / 12mm  
Flat/Cone Pinhole:  
f=3.7(Standard) / 2.8 / 4.3mm

Manual Varifocal: 4~8mm,  
28~12mm

Manual Varifocal: 4~8mm,  
28~12mm

## Product Specification

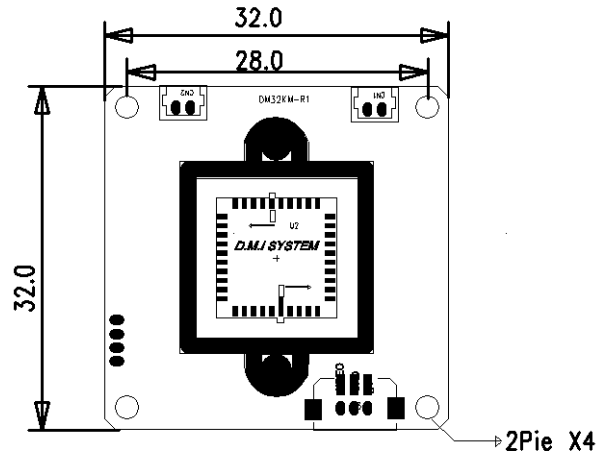
### 2. DIMENSION (mm)



## Product Specification

### 3. INTERFACE SPECIFICATION

### 3.1) Picture Status



### 3.2) I/O CONNECTOR FUNCTION

DC12.0V (RED)	DC POWER INPUT(DC12V)
GND(BLACK)	GROUND
VIDEO OUT(YELLOW)	VIDEO SIGNAL OUTPUT

### 3.3) I/O Harness

