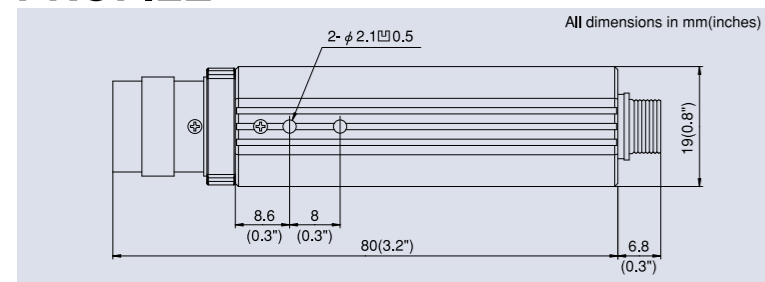


# ELMO ONE-PIECE COLOR MICRO CAMERA, MN400

## MN400 SPECIFICATIONS

Model	MN400(CCU integrated camera)
Power source	DC12V (DC11V ~ DC15V)
Power consumption	Approx.1.5W at DC12V
Image pick-up device	1/2" color interline-transfer CCD
Effective picture element	768(H) x 494(V)
Scanning area	6.54mm(H) x 4.89mm(V)
Scanning system	2:1 Interlaced
Scanning frequency	15.734kHz(H), 59.94Hz(V)
Sync.system	Internal
Resolution	480TV lines(H), 350TV lines(V)
S/N ratio	50dB
Standard illumination	60lx (F1.6 under incandescent lamp)
Lowest illumination	2lx (F1.6 under incandescent lamp)
White balance	ATW / 3200K / 4200K / 6300K (switchable)
AGC	Continuous Mode
Electronic shutter	1/60sec. / 1/100sec. / AES (switchable)
AES	1/60sec. ~ 1/100,000sec.
Power terminal	8P round type connector
Video out terminal	8P round type connector output VBS 1.0V (p-p) 75Ω
Dimensions	19 (W) x 19 (H) x 80 (D) mm (0.75 x 0.75 x 3.15 inches)
Weight	Approx.50g (0.11 lbs)
Ambient temperature	-10°C ~ +40°C (14°F ~ 104°F)
Ambient humidity	30 ~ 90%
Accessory	Instruction manual, Camera holder

## PROFILE



## Optional lenses

Code	Type	Focal length	F stop
8771	T183	3mm	1.8
9264	T204D	4mm	2.0
9250	T1675F	7.5mm	1.6
9265	T2015D	15mm	2.0
9266	T3124	24mm	3.1
9819	T4536	36mm	4.5
9267	T287P Pinhole	7mm	2.8

## Macro lenses for machine vision

Code	Type	Focal length	Magnifications
8797	T3425M	25mm	x0.38~x0.49
8797-1	T3425MB	25mm	x0.33~x0.67
8797-2	T3425MC	25mm	x0.66~x1.00
9271-2	T416M	16mm	x1.41~x1.57
9271	T416MA	16mm	x1.60~x2.50
9271-1	T416MB	16mm	x1.10~x1.60

## Optional cable

Code	Type	Nominal length
9888	MNC-03A	3m
9888-1	MNC-10A	10m

## Other Options

Code	Accessory
8733-1	Filters Set ·MC Protector ·PX No.14 ·EP ·ND8
8862	C-mount Adapter
9894	AC/DC Adapter

Distributed by

**ELMO CO., LTD.** 6-14, Meizen-cho, Mizuho-ku, Nagoya, 467-8567, Japan  
E-Mail:foreign-div@elmo.co.jp

Additional technical information is available from any of the following subsidiary companies;

**ELMO Mfg. Corp.**  
1478 Old Country Road,  
Plainview, NY 11803-5034, U.S.A.  
Tel. 516-501-1400 Fax. 516-501-0429  
E-mail:elmo@elmousa.com  
Web:http://www.elmousa.com

**ELMO (Europe) G.m.b.H.**  
Neanderstr. 18,  
40233 Düsseldorf, Germany  
Tel. 0211-376051-53 Fax. 0211-376630  
E-mail:elmoeurope@AOL.com  
Web:http://www.elmo.de

**ELMO Canada Mfg. Corp.**  
44 West Drive, Brampton,  
Ontario, L6T 3T6, Canada  
Tel. 905-453-7880 Fax. 905-453-2391  
E-mail:info@elmocanada.com  
Web:http://www.elmocanada.com

**ELMO** and **ELMO** are registered trademarks of ELMO COMPANY, LIMITED.



This brochure is printed on recycled paper with soy ink.  
Printed in Japan(A)05/2004

# ELMO®

## MN400 ONE-PIECE HIGH RESOLUTION COLOR MICRO CAMERA



**SOLVE THOSE DIFFICULT VIDEO ASSIGNMENTS WITH THE AMAZING MICRO SIZED MN400 FROM ELMO. IT'S 3/4" x3/4" IN SIZE AND WEIGHT ONLY 0.11lbs.**

**ELMO®**  
Visualizing technology since 1921