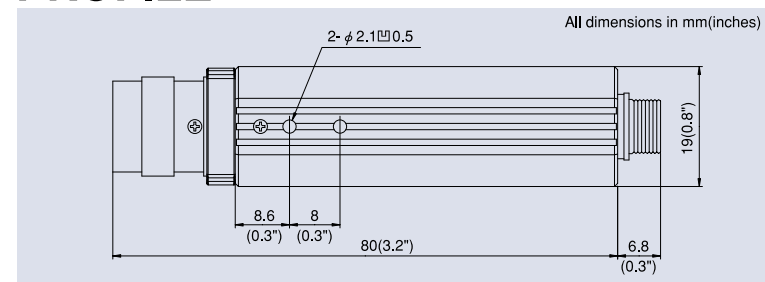


ELMO ONE-PIECE COLOR MICRO CAMERA, MN400

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

ELMO 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.

Distributed by

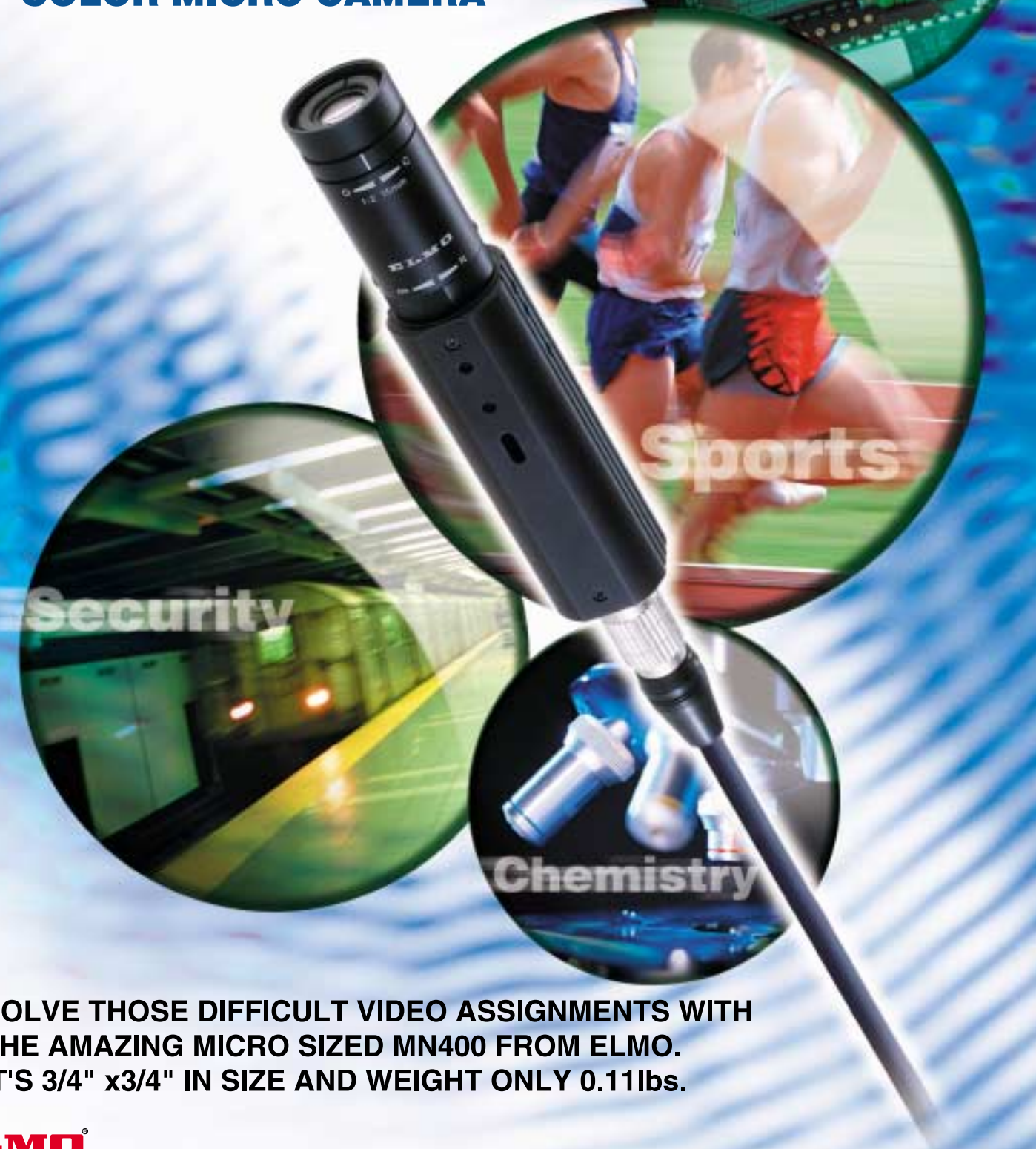


This brochure is printed on
recycled paper with soy ink.
Printed in Japan(A)05/2004

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

THE MN400 IS A ONE PIECE, COMPACT AND EXTREMELY LIGHTWEIGHT HIGH RESOLUTION MULTI PURPOSE 1/2" CCD COLOR CAMERA DESIGNED TO USE THE ENTIRE VARIETY OF ELMO MICRO & MACRO LENSES AND ACCESSORIES.

NO CONTROL UNIT IS NECESSARY FOR OPERATION, HOWEVER ONE IS AVAILABLE WHEN SPECIAL SITUATIONS MAY REQUIRE IT.



WHENEVER THE JOB REQUIRES THAT SPECIAL SHOT.



for Security

THE MN400 SIZE LENDS ITSELF TO COVERT APPLICATIONS.



for Sports



for Chemistry

ONE-PIECE CONSTRUCTION AND HIGH RESOLUTION MAKES THE MN400 IDEAL FOR MEDICAL AND SCIENTIFIC APPLICATIONS.



for Industrial

INDUSTRIAL USERS WILL FIND THE MN400 INDISPENSABLE.