

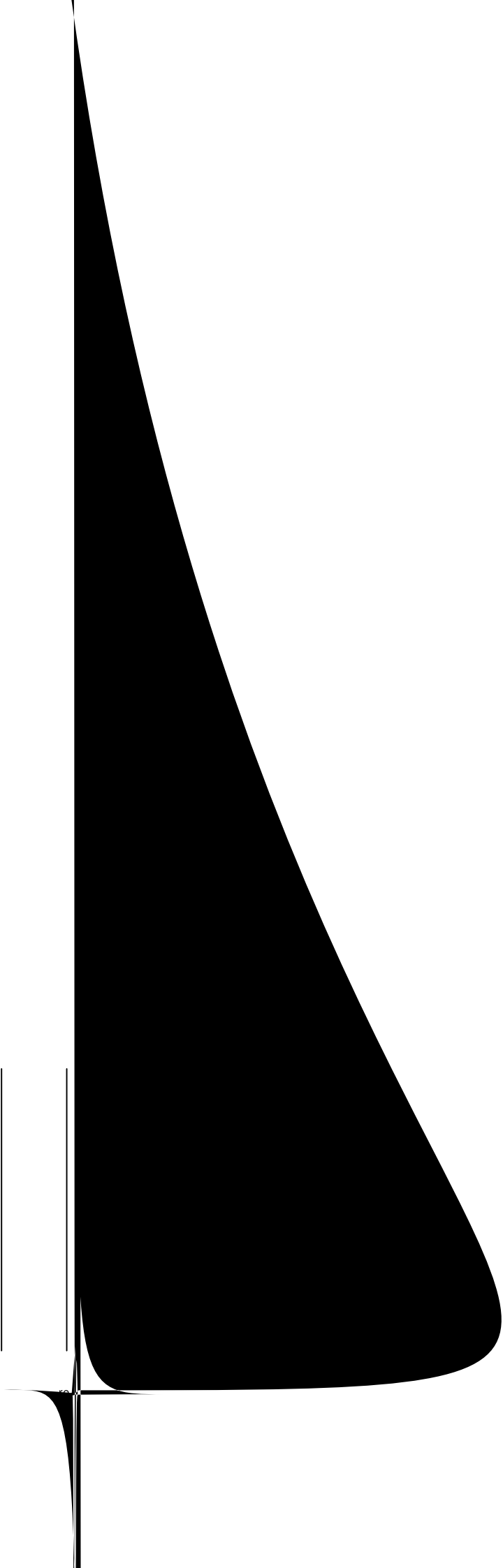
low noise
0.8 electrons

9

high speed
100 fps

I J H I E Z O B N J D
37 500:1

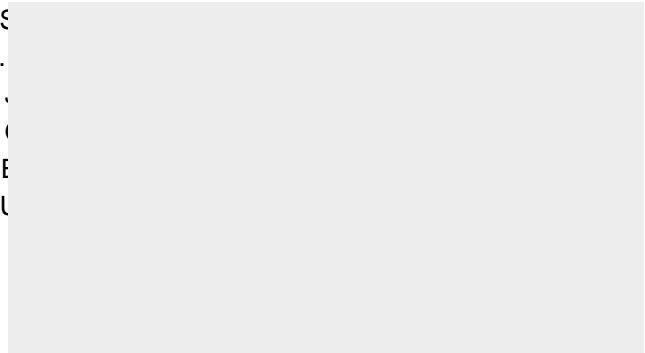
single top down



features

superior image quality

5IF QDP FEHF T\$.04 DBNFSB -GFBUVSFT PVUTUBOE
JOH MPX SFBE PVU OPJTF &WFO BU NBYJNVN TQFFE PG
GSBNFT T BU GVMM SFTPMVUJPO PG Y QJYFM
UIF OPJTF-JNFE FPSFPWFS UIF-QDP FEHF QSP
WJEFT BO FYDFMMFOU IPNPHFOFPVT QJYFM SFTQPOTF UP
MJHIU 13/6 QIPUP SFTQPOTF OPO VOJGPSNJUZ BOE BO
FYDFMMFOU IPNPHFOFPVT EBSL TJHOBM QJYFM CFIBWJJPVS
%4/6 EBSL TJHOBM OPO VOJGPSNJUZ XJUI UIF NFBTVSFE
CZ B TPQIJTUJDBUFE FMFDUSPOJD% DWSXJUI UIFDIPMPHUBOE ECMJOLFS ÛM
ÛSNXBSF BMHPSJUINT SJHIU JNBHF TIPXT UIF SFTVMU XJUI UIF ÛMUFS
5IF MPXFS ÛHVSF TIPXT B DPNQBS
HSBEF \$\$% BOE UIF OFX QDP T\$.
VOEFS TJNJMBS XFBL JMMVNJOBUB
POTUSBUFT UIF TVQFSJPSJUZ P
SFHBSET UP SFBE PVU OPJTF BOE
TNFBS UIF WFSUJDBM MJOFT JO U



5IF MFGU JNBHF XBT SFDPSEFE CZ B TDJFOUJÛD
SJHIU JNBHF XBT SFDPSEFE CZ B QDP FEHF VOE

flexibility and free of latency

6TFS TFMFDUBCMF DIPJDF PG SPMMJOH TIVUUF S NPEFT GPS FYQPTVSF Q
5IF BEWBOUBHFT PG SPMMJOH TIVUUF S BSF IJHI GSBNF SBUFT BOE MPX
SFBMUJNF USBOTNJTTJPO PG UIF JNBHF EBUB UP UIF 1\$ UIFSF JT OP ME
PG UIF EBUB

37500:1 dynamic range

%VF UP UIF FYDFMMFOU MPX OPJTF B
DBQBDJUZ PG UIF T\$.04 JNBHF TFOTPS

features

high speed recording and data streaming

5IF OFX QDP FEHF PGGFST JO GBTU NPEF B GSBNF SBUF PG GSBNFT
BT B GVMM EPXOMPBE TUSFBN UP UIF 1\$ 5IFSFGPSF UIF SFDPSEJOH UJ
JO UIF 1\$ PS JO DBTF PG B 3"*% TZTUFN CZ UIF DBQBDJUZ BOE OVNCF
DBNFSBT UIF GSBNF SBUF JODSFBTFT TJHOJÛDBOUMZ JG TNBMMFS SFHJ

technical data

image sensor

UZQF PG TFOTPSTDJFOUJÛD \$.04 T\$.04
image sensor \$*4 "
SFTPMVUJPO I Y W Y BDUJWF QJYFM
QJYFM TJ[F I Y W ŽN Y ŽN
TFOTPS GPSNBU E JNBH PYOBM NN NN
shutter modes SPMMJOH TIVUUFS 34
XJUI GSFF TFMFDUBCMF SFBEPVU NPEFT
.5' MQ NN UIFPSFUJDBM
GVMMXFMMUŽQBDJUZF
readout noise med rms F ! TMPX TDBOS

technical data

image sensor

UZQF PG TFOTPSTDJFOUJÛD \$.04 T\$.04
image sensor \$*4 "
SFTPMVUJPO I Y W Y BDUJWF QJYFM
QJYFM TJ[F I Y W ŽN Y ŽN
TFOTPS GPSNBU EJNBH PYOBM NN NN
shutter modes SPMMJOH TIVUUFS 34
XJUI GSFF TFMFDUBCMF SFBEPVU NPEFT
F H MJHIUTIFFU TDBOOJOH NPEF
.5' MQ NN UIFPSFUJDBM
GVMXFM MU Q QB DJUZF
readout noise ² med rms F ! TMPX TDBO
med rms F ! GBTU TDBO
EZOBNJD SJZ QH F E# TMPX TDBO
RVBOUVN FGGJDFODZ QFBL
TQFDUSBM SBOHF ON ON
EBSL DV SZ ROU -FQJYFM T ! % \$
% 4/6 -Fms
13/6



Y	G Q T
Y	G Q T
Y	G Q T
Y	G Q T
Y	G Q T

software

'PS DBNFSB DPOUSPM JNBHF BDRVJTJUJPO BOE BSDIJWJOH
PG JNBHFT JO WBSJPVT ÛMF GPSNBUT 1\$0 QSPWJEFT UIF
TPGUXBSF BQQMJDBUJPO \$BNXBSF 8JOEPXT BOE MBUFS

" DBNFSB 4%, TPGUXBSF EFWFMPQNFOU LJU JODMVEJOH B
CJU EZOBNJD MJOL MJCSBSZ GPS VTFS DVTUPNJ[BUJPO
BOE JOUFHSBUJPO PO 1\$ QMBUGPSNT JT BWBJMBCMF GPS GSFF

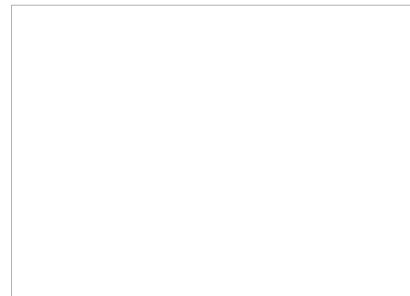
'PS DBNFSB JOUFSGBDF ESJWFST BOE B MJTU PG TVQQPSUFE
UIJSE QBSUZ TPGUXBSF QMBUGPSNT WJBTJ

options

o- <</1ang (en1/MCIET icT1ET 1 Tf 10 1005113>T T4 1 t)- 0 (h)- 0 (i)-2.6 (r)- 0 (d)- 0 (p)- 0 (a)- 0 (r)- 0 (t)- 0 (y)- 0 (integr

8BUFS DPPMJOH VOJU "RVBNBUJD **
GPS VTF XJUI QDP FEHF DBNFSBT

applications



" XJEFÛFME SJHIU BOE B" (7%OHMFVQINS HF PG ÜVPSF;FDPSBÛFIM XCFMREXP ÜVPSFTDFOU
SFTPMVUJPO MFGU NJDSPTDreZnetWkls fm Rv@teU vrops Mj@d DPMMFDUFE XJUI B 7JTJ4DPQF \$P
ÛCFST PCUBJOFE XJUI B QDPJMEGIFBTPXSUWITZNPWFE GDUUIFO:PLQHBYXN \$46 8 XJEF IFBE
PG -FJDB .JDSPTZTUFT (FNSBOZ QPOET UŽN JO SFBM JQZP FEHF DBNFSB DPVSUFTZ
DPVSUFTZ PG 1SPG %S 4BS4ZT,ÛFUNFS(NC)TU(FSWB)Z
GPS 9 3BZ 11ZTJDT (ÏUUJOHFO (FSNBOZ

/FVSPOBM OFUXPSL NBSL&YUSXDUU PB B ÜVPSFTDFOU"OTMUNEFHKIJFG XBTFRVFODF XIJ
ÜVPSPQIPSF GBMTF DPMPSTDSFOCFESJOZH BBQDP FEHF SBNFSBFBOXJUI B QDP FEHF BU
SFDPSEFE XJUI B QDP FEHF 1BOOPSNJD 'MBTI TDBOIFIS GBSJENJUTBIMOBM XBT BCPV
QBUIPMPHZ DPVSUFTZ PG %QUTWFO)DCHVSSZ FTZ PG 1SPG
6OJWFSTJUJ PG 8ÕS[CVSH (FSNB