

# Data Transfer Ver.7N Detail Description

## New Function (with OA-2000 Ver.40)

### 1. Surgeon Name

Surgeon name was added to the exported “with numerical info” images.

And a new tag “[SG\_ID]” was added to the CSV data.

ID : 171222 OA-2000 Ver.40/7N TOMEY

Name: TOMEY YEMOT

Exam Type: IOL Calculation(OPT) Exam Date-Time: 2017/12/22 14:36:06

Surgeon: Common

Physician:

AXIAL	ACD	LENS	Post K	Pre Ref	Post Ref
40.00 mm	5.50 mm	4.50	Pre K1	S	
			Pre K2	C	
K1	K2	Axis	Desired Ref.	VD	
60.00 D	33.33 D	deg	0.00 D	(KI=1.3375)	

IOL formula	Barrett UII	Barrett TrueK	HAIGIS std	Olsen	Fitting
Manufacturer	ToricCalc	ToricCalc	ToricCalc	Abbott	Immersion
Model	toricCalc	toricCalc	toricCalc	AC51L (AC-lens)	WTW
Lens const.	3.97	3.97	125.00	2.80	9.00 mm
Power	-13.20 D	MyopicLasik pre: post:--	-19.71 D	-9.69 D	

IOL	Ref	IOL	Ref	IOL	Ref	IOL	Ref
-16.50	2.83			-23.00	1.25	-13.00	2.53
-16.00	2.42			-22.50	1.06	-12.50	2.16
-15.50	2.00			-22.00	0.88	-12.00	1.78
-15.00	1.57			-21.50	0.69	-11.50	1.40
-14.50	1.14			-21.00	0.50	-11.00	1.02
-14.00	0.70			-20.50	0.31	-10.50	0.63
-13.50	0.26			-20.00	0.11	-10.00	0.24
-13.00	-0.19			-19.50	-0.08	-9.50	-0.16
-12.50	-0.64			-19.00	-0.28	-9.00	-0.56
-12.00	-1.10			-18.50	-0.48	-8.50	-0.96
-11.50	-1.57			-18.00	-0.68	-8.00	-1.37
-11.00	-2.04			-17.50	-0.89	-7.50	-1.79
-10.50	-2.52			-17.00	-1.09	-7.00	-2.21
-10.00	-3.01			-16.50	-1.30	-6.50	-2.64
-9.50	-3.50			-16.00	-1.51	-6.00	-3.07

Manuf.	ToricCalc	Implanted IOL
Model	toricCalc	
Imp. D	-1.00 D	
Post Ref	0.00 D	

ID : 171222 OA-2000 Ver.40/7N TOMEY

Name: TOMEY YEMOT

Exam Type: Toric IOL(OPT) Exam Date-Time: 2017/12/22 14:36:06

Surgeon: Common

Physician:

Fitting	Immersion	/ KI= 1.3375	WTW	Incision Axis	SIA
28.46 mm	3.50 mm	4.70 mm	mm	45 deg	0.01 D
K1(Φ2.5)	K2(Φ2.5)	Axis	Target Ref.	Implanted IOL	Imp. D
8.00 mm	8.00 mm	95 deg	-2.00 D	AC51L (AC-lens)	10.00 D
					179 deg

IOL formula	Barrett UII	Barrett TrueK	HAIGIS std	Olsen
Manufacturer	ToricCalc	ToricCalc	ToricCalc	Abbott
Model	toricCalc	toricCalc	toricCalc	AC51L (AC-lens)
Lens const.	3.97	3.97	125.00	2.80

IOL	REF	IOL	REF	IOL	REF	IOL	REF
13.50	-1.59	15.50	-1.75	15.50	-1.66	9.50	-1.71
14.00	-1.88	16.00	-2.04	16.00	-1.92	10.00	-2.14
14.50	-2.17	16.50	-2.32	16.50	-2.18	10.50	-2.56

IOL formula	Barrett	Barrett TrueK	Olsen
IOL Axis	180	180	179
Lens const.	3.97	3.97	2.80

CYL	Residual	CYL	Residual	CYL	Residual	CYL	Residual
0.00	0.37/180	0.00	0.38/180	0.00	0.30/180	0.00	0.40/179
1.00	0.20/90	1.00	0.22/90	1.00	0.25/90	1.00	0.45/89
1.50	0.48/90	1.50	0.51/90	1.50	0.53/90		/

## Data Transfer Ver.7N Detail Description


## 2. Barrett TrueK


**IOI calculation screen with the Barrett TrueK formula can be exported.**

**“LF / Surgery type / pre-post K value” will be displayed on the “Lens Const.” box.**


**And new tags were added to the CSV data.**

**“[TRUEK\_PARM\_1or2\_RorL]” or “[TORIC\_TRUEK\_PARM\_1or2\_RorL]”**


ID : 171222


TOMEY

Name: TOMEY YEMOT
Ver.40/7N


Exam Type: IOL Calculation(OPT)

Exam Date-Time: 2017/12/22 14:36:06

Surgeon: Common
Physician:

AXIAL	ACD	LENS	Post K	Pre Ref	Post Ref
28.46mm	3.50mm	4.70	Pre K1	S	
			Pre K2	C	
				VD	

K1(Φ2.5) K2(Φ2.5) Axis Desired Ref. (K1=1.3375)

8.00mm 8.00mm 95 deg -2.00D

IOL formula	Barrett UII	Barrett TrueK	HAIGIS std	Olsen	Fitting
Manufacturer	ToricCalc	ToricCalc	ToricCalc	Abbott	Immersion
Model	toricCalc	toricCalc	toricCalc	AC51L (AC-lens)	WTW
Len's const.	3.97	3.97 MyopicLasik pre:- post:-	125.00	2.80	
Power	14.20D	15.34D	16.16D	9.84D	

IOL		Ref		IOL		Ref		IOL		Ref		IOL		Ref	
10.50	0.06	12.50	-0.13	12.50	-0.13	6.50	0.73								
11.00	-0.21	13.00	-0.40	13.00	-0.40	7.00	1.00								
11.50	-0.48	13.50	-0.66	13.50	-0.64	7.50	1.25								
12.00	-0.75	14.00	-0.93	14.00	-0.89	8.00	1.50								
12.50	-1.03	14.50	-1.20	14.50	-1.14	8.50	1.75								
13.00	-1.31	15.00	-1.48	15.00	-1.40	9.00	2.00								
13.50	-1.59	15.50	-1.75	15.50	-1.66	9.50	2.25								
14.00	-1.88	16.00	-2.04	16.00	-1.92	10.00	2.50								
14.50	-2.17	16.50	-2.32	16.50	-2.18	10.50	2.75								
15.00	-2.47	17.00	-2.61	17.00	-2.44	11.00	3.00								
15.50	-2.77	17.50	-2.90	17.50	-2.71	11.50	3.25								
16.00	-3.07	18.00	-3.20	18.00	-2.99	12.00	3.50								
16.50	-3.38	18.50	-3.50	18.50	-3.26	12.50	3.75								
17.00	-3.69	19.00	-3.80	19.00	-3.54	13.00	4.00								
17.50	-4.01	19.50	-4.11	19.50	-3.82	13.50	4.25								

Barrett TrueK

AMO

Tecnis Z90


1.98

HyperopicLasik

pre:15.00 post:15.00

Imp. D

Post Ref

	ID : 171222	OA-2000	Ver.40/7N					
	Name: TOMEY YEMOT							
OD/R	Exam Type: Toric IOL(OPT)		Exam Date-Time: 2017/12/22 14:36:06					
Fitting		Immersion / Kf= 1.3375	Surgeon: Common Physician:					
AXIAL		ACD	LENS	WTW	Incision Axis	SIA		
28.46 mm		3.50 mm	4.70 mm	mm	45 deg	0.01 D		
K1(Φ2.5)	K2(Φ2.5)	Axis	Target Ref.	Implanted IOL	Imp. D	IOL Axis		
8.00 mm	8.00 mm	95 deg	-2.00 D	AC51L (AC-lens)	10.00 D	179 deg		
IOL formula	Barrett UII	Barrett TrueK		HAIGIS std	Olsen			
Manufacturer	ToricCalc	ToricCalc		ToricCalc	Abbott			
Model	toricCalc	toricCalc		toricCalc	AC51L (AC-lens)			
IOL const.	3.97	3.97 MyopicLasik pre:--- post:--		125.00	2.80			
	IOL	REF	IOL	REF	IOL	REF		
	13.50	-1.59	15.50	-1.75	15.50	-1.60		
	14.00	-1.88	16.00	-2.04	16.00	-1.90		
	14.50	-2.17	16.50	-2.32	16.50	-2.10		
IOL formula	Barrett	Barrett TrueK		Barrett TrueK		<b>Barrett TrueK</b> <b>AMO</b> <b>Tecnis Z90</b> <b>1.98</b> <b>HyperopicLasik</b> <b>pre:15.00 post:15.00</b> <b>17.93D</b>		
IOL Axis	180	180		180				
IOL const.	3.97	3.97 MyopicLasik pre:--- post:--		3.97 MyopicLasik pre:--- post:--				
	CYL	Residual	CYL	Residual	CYL		Residual	
	0.00	0.37/180	0.00	0.30/180	0.00	0.30/180	0.00	0.40/179
	1.00	0.20/90	1.00	0.25/90	1.00	0.25/90	1.00	0.45/89
	1.50	0.48/90	1.50	0.53/90	1.50	0.53/90	/	

# Data Transfer Ver.7N Detail Description

## 3. Imaginary IOL calculation result

In case IOL calculation result was imaginary, parameters on the exported image will be displayed in red.

And new tags were added to the CSV data.

“[IOL\_IMAGINARY\_1or2\_RorL]” or “[TORIC\_IOL\_IMAGINARY\_1to8\_RorL]”

ID : 171222 OA-2000 Ver.40/7N TOMEY

Name: TOMEY YEMOT

Exam Type: IOL Calculation(OPT) Exam Date-Time: 2017/12/22 14:36:06

Surgeon: Common Physician:

AXIAL	ACD	LENS	Post K	Pre Ref	Post Ref
40.00 mm	5.50 mm	4.50	Pre K1	S	
			Pre K2	C	
K1	K2	Axis	Desired Ref.	VD	
60.00 D	33.33 D	deg	0.50 D	(K1=1.3375)	

IOL formula	SRK/T	Barrett UII	HAIGIS std	Olsen
Manufacturer	ToricCalc	ToricCalc	ToricCalc	Abbott
Model	toricCalc	toricCalc	toricCalc	AC51L (AC-lens)
Lens const.	126.00	3.97	125.00	2.80
Power	-38.59 D	-13.77 D	-21.00 D	-10.33 D

IOL	Ref	IOL	Ref	IOL	Ref	IOL	Ref
-42.00	1.38	-17.50	3.65	-24.50	1.79	-14.00	3.25
-41.50	1.25	-17.00	3.24	-24.00	1.61	-13.50	2.89
-41.00	1.12	-16.50	2.83	-23.50	1.43	-13.00	2.53
-40.50	1.00	-16.00	2.42	-23.00	1.25	-12.50	2.16
-40.00	0.87	-15.50	2.00	-22.50	1.06	-12.00	1.78
-39.50	0.74	-15.00	1.57	-22.00	0.88	-11.50	1.40
-39.00	0.61	-14.50	1.14	-21.50	0.69	-11.00	1.02
-38.50	0.48	-14.00	0.70	-21.00	0.50	-10.50	0.63
-38.00	0.34	-13.50	0.26	-20.50	0.31	-10.00	0.24
-37.50	0.21	-13.00	-0.19	-20.00	0.11	-9.50	-0.16
-37.00	0.07	-12.50	-0.64	-19.50	-0.08	-9.00	-0.56
-36.50	-0.06	-12.00	-1.10	-19.00	-0.28	-8.50	-0.96
-36.00	-0.20	-11.50	-1.57	-18.50	-0.48	-8.00	-1.37
-35.50	-0.34	-11.00	-2.04	-18.00	-0.68	-7.50	-1.79
-35.00	-0.48	-10.50	-2.52	-17.50	-0.89	-7.00	-2.21

Fitting Immersion

WTW 9.00 mm

Implanted IOL

Manuf. ToricCalc

Model toricCalc

Imp. D -1.00 D

Post Ref 0.00 D

ID : 171222 OA-2000 Ver.40/7N TOMEY

Name: TOMEY YEMOT

Exam Type: Toric IOL(OPT) Exam Date-Time: 2017/12/22 14:36:06

Fitting Immersion / K1= 1.3375 Surgeon: Common Physician:

AXIAL	ACD	LENS	WTW	Incision Axis	SIA
28.46 mm	3.50 mm	4.70 mm	mm	45 deg	0.01 D
K1(Φ2.5)	K2(Φ2.5)	Axis	Target Ref.	Implanted IOL	Imp. D
8.00 mm	8.00 mm	95 deg	-2.00 D	AC51L (AC-lens)	10.00 D
					179 deg

IOL formula	Barrett UII	Barrett TrueK	HAIGIS std	Olsen
Manufacturer	ToricCalc	ToricCalc	ToricCalc	Abbott
Model	toricCalc	toricCalc	toricCalc	AC51L (AC-lens)
Lens const.	3.97	3.97	125.00	2.80

IOL	REF	IOL	REF	IOL	REF	IOL	REF
13.50	-1.59	15.50	-1.75	15.50	-1.66	9.50	-1.71
14.00	-1.88	16.00	-2.04	16.00	-1.92	10.00	-2.14
14.50	-2.17	16.50	-2.32	16.50	-2.19	10.50	-2.56

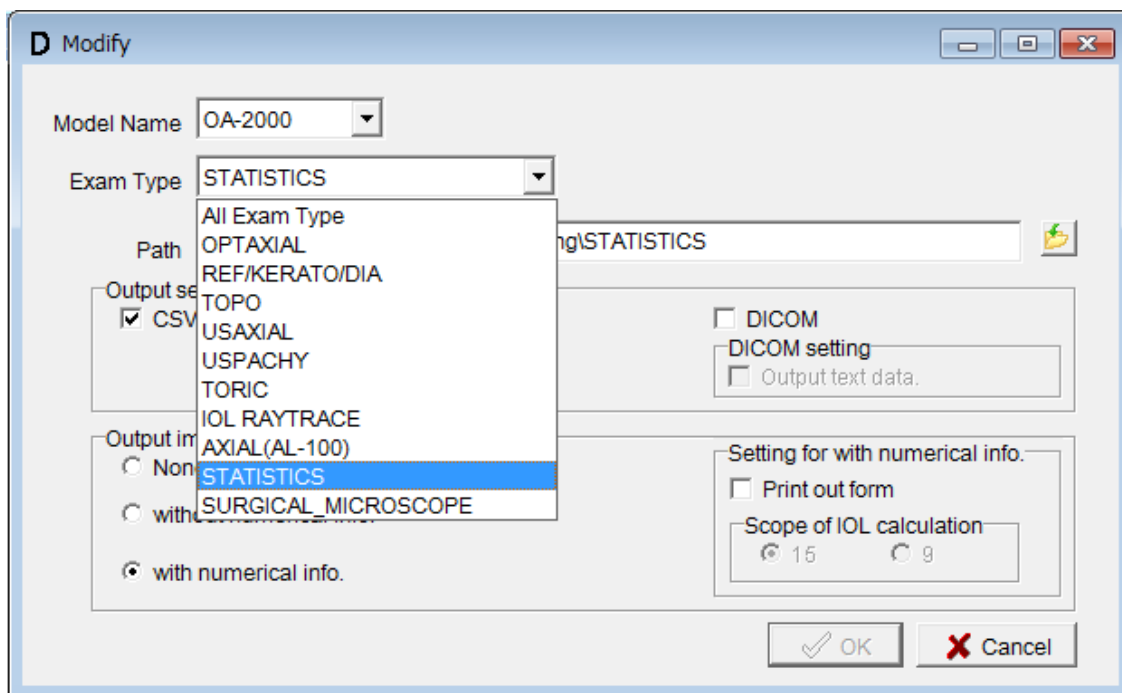
IOL formula	Barrett TrueK	Barrett	Barrett TrueK	Olsen
IOL Axis	82	180	82	179

CYL	Residual	CYL	Residual	CYL	Residual	CYL	Residual
0.00	0.37/180	0.00	0.38/180	0.00	0.30/180	0.00	0.40/179
1.00	0.20/90	1.00	0.22/90	1.00	0.25/90	1.00	0.45/89
1.50	0.48/90	1.50	0.51/90	1.50	0.53/90		/

# Data Transfer Ver.7N Detail Description

## 4. Statistics Screen Image

“STATISTICS” can be selected on the OA-2000 individual setting for receiving/ exporting the statistics screen image.



# Data Transfer Ver.7N Detail Description

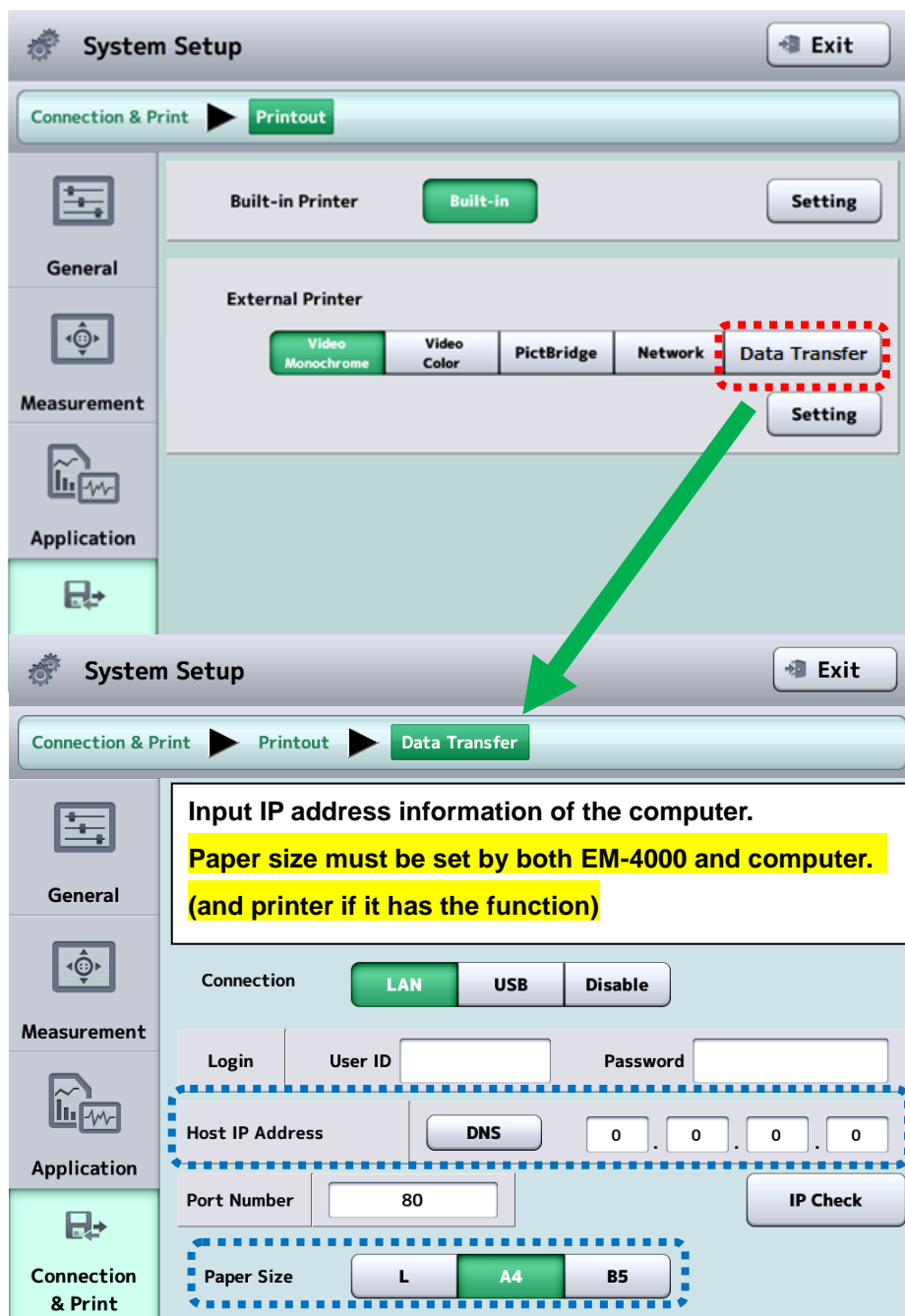
## New Function (with EM-4000 Ver.1M)

### 1. New print out function via Data Transfer

EM-4000 side

Printout from printers connected to computer via Data Transfer software (after Ver.7N) is available.

This is the same function as the OA-2000. (after Ver.3C)



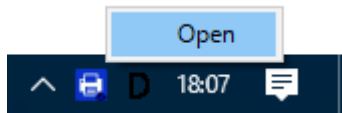


# Data Transfer Ver.7N Detail Description

## Data Transfer side

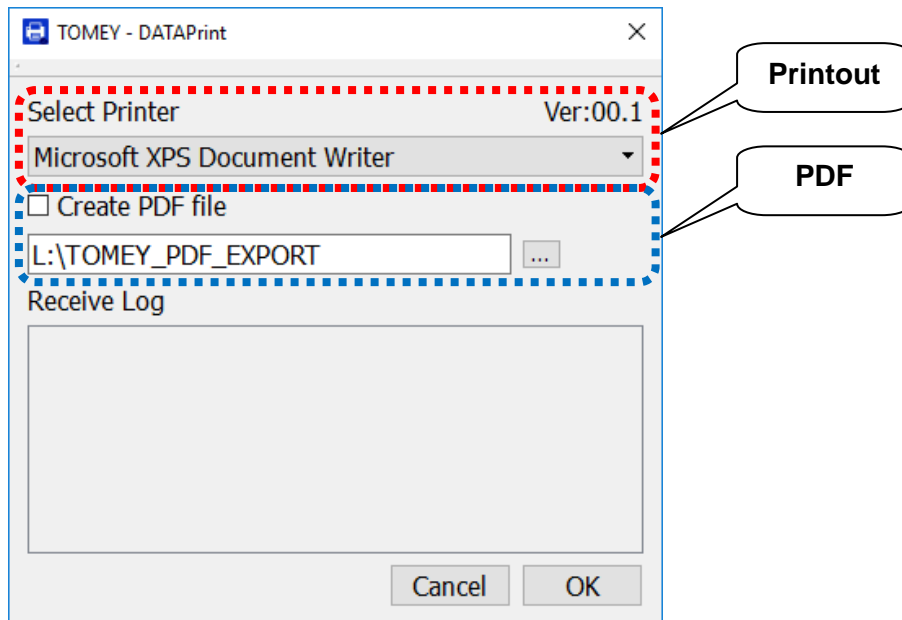
An icon  will be displayed after upgrading the Data Transfer software to Ver.7N.

Right click the icon and open the “DATAPrint” screen.



Then you can select a printer which is connected to your computer.

PDF file can be created by clicking “Create PDF file” and storage folder can be set as well.



## Bug Fixation (on DICOM export)

### 1. Correction for Time Indication

Data measured from “12:00 to 12:59” were converted to the DICOM file with wrong time indication “24:00 to 24:59”.

This software bug was corrected by the version 7N.