

**SUPPLEMENT D62
TO THE AIRPLANE FLIGHT MANUAL
DA 62**

TRAKKA TC-300 CAMERA SYSTEM

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: 11.01.05-E
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FOREWORD

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Nikolaus-August-Otto-Strasse 5

2700 Wiener Neustadt, Austria

Phone : +43-2622-26700

Fax : +43-2622-26780

E-Mail : office@diamondaircraft.com

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1. GENERAL

1.1 INTRODUCTION

The DA 62 MPP can be equipped with an optional TRAKKA TC-300 camera system. To enable this installation of the WX Multi-Purpose Nose (System No.: M30) must be installed.

The supplements of the following modules must be included into the AFM:

Modules	Doc. No.
M30 - WX Multi-Purpose Nose	Supplement STC-62-001-M30

2. OPERATING LIMITATIONS

2.12 FLIGHT CREW

For flights with the MISSION MASTER switch ON:

Minimum crew : 2 (two persons) consisting of
: 1 pilot and
1 mission equipment operator
seated in the rear cabin

WARNING

The operation of the airplane in aerial work needs special training for the pilot and the operator.

2.13 KINDS OF OPERATION

Flights according to VFR, NVFR and IFR with mission master ON are permitted.

2.14 Limitation Placards

All limitation placards are shown below. A list of all placards is included in the Supplemental Airplane Maintenance Manual (Doc. No. 7.02.25- DEO 62-062).

No Baggage
allowed

Max. Baggage:
30 kg (66 lb)

3. EMERGENCY PROCEDURES

WARNING

The mission system power supply must be switched off in any emergency, abnormal, or icing condition.

3.12 SMOKE AND FIRE

3.12.6 CABIN SMOKE

1. MISSION MASTER OFF

Initiate an emergency descent

2. FLAPS UP
3. LANDING GEAR DOWN
4. POWER lever IDLE
5. FLAPS as required

WARNING

Max. operating speed with equipment installed: $v_{MAX} = 162$ KIAS

6. Land on the nearest suitable airfield.

END OF CHECKLIST

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4A. NORMAL OPERATING PROCEDURES

4A.6 CHECKLISTS FOR NORMAL OPERATING PROCEDURES

4A.6.6 BEFORE TAKE-OFF

1. Loose equipment securely stowed checked
2. Baggage net installed and tightened

END OF CHECKLIST

4A.6.22 USING MISSION EQUIPMENT

Starting mission:

1. POSITION LIGHTS and STROBE ON
2. MISSION MASTER ON

WARNING

The mission system power supply must be switched off in any emergency, abnormal, or icing condition.

After mission:

1. MISSION MASTER OFF

END OF CHECKLIST

4A.6.11 APPROACH & LANDING

1. Loose equipment securely stowed checked

END OF CHECKLIST

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4B. ABNORMAL OPERATING PROCEDURES

No change.

5. PERFORMANCE

No change.

6. MASS AND BALANCE

6.4 FLIGHT MASS AND CENTER OF GRAVITY

6.4.1 MOMENT ARMS

The lever arms of the TC-300 camera system aft of the Datum Plane:

Item	Mass		Lever Arm	
	kg	lb	m	in
TC-300 Camera	24.00	52.91	-0.52	-20.47

NOTE

The masses shown in the table above are equipment masses without mounting provisions.

6.5.1 ADDITIONAL EQUIPMENT LIST

Airplane Serial No.:		Registration:		Date:	
No.	Description	Part No.	Manufacturer	S/N	Installed
1	TC-300 Camera	2-0602-A5C1D2	TRAKKA	2402942	

NOTE

Changes in mass and balance caused by the installation of the TC-300 camera system must be taken into consideration.

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7. DESCRIPTION OF THE AIRPLANE AND ITS SYSTEMS

7.1 INTRODUCTION

The DA 62 MPP can be equipped with an optional TC-300 camera system if the WX Multi-Purpose Nose is installed.

The TC-300 camera system is a high performance stabilized gimbals equipped camera with state of the art electro-optic sensors dedicated to law enforcement, surveillance, border control and search & rescue.

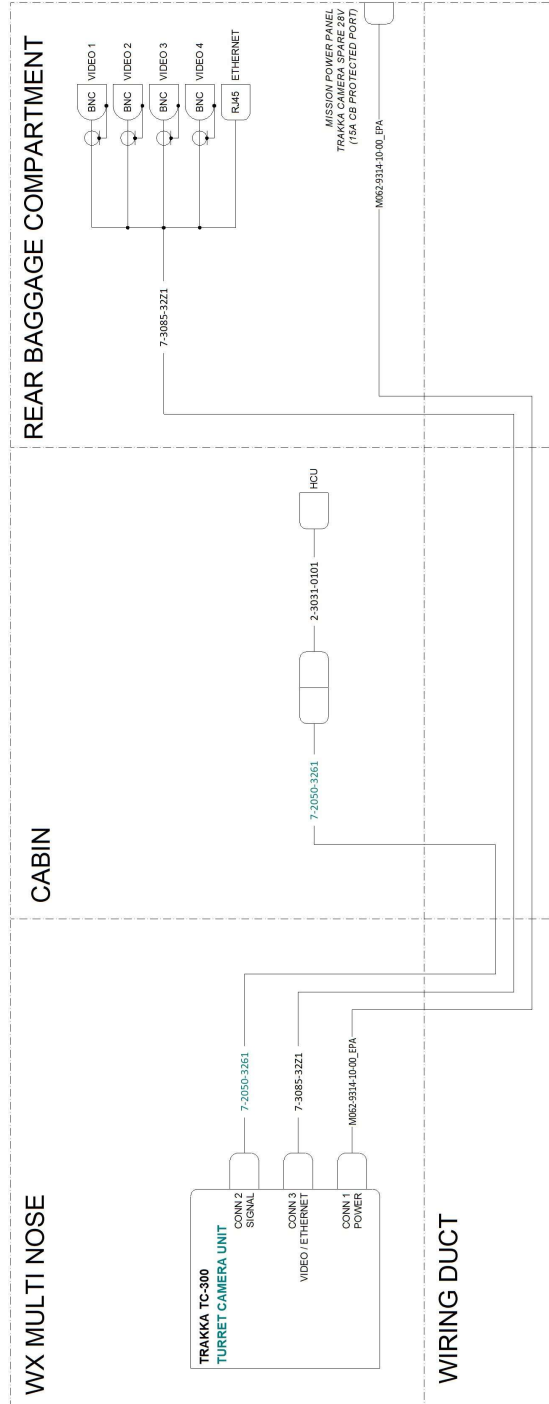
7.10 ELECTRICAL SYSTEM

7.10.3 WARNING, CAUTION AND ADVISORY MESSAGES

The TC-300 camera system installed in the WX Multi-Purpose Nose is connected to the Mission Bus via the in the rear baggage compartment installed Power Panel.

The following table shows the peak power consumption of the parts of the TC-300 camera system at 28V DC. The maximum continuous power consumption is slightly lower. This table must be used in conjunction with the AMM of the DA 62 Doc. No. 7.02.25-DEO 62-062, Section 24-81.

System	Power Consumption [A]
TC-300 Camera	12.5A @ 28V



8. AIRPLANE HANDLING, CARE AND MAINTENANCE

NOTE

The TC-300 camera system consists of a number of high precision parts.

The exposure of the equipped airplane to high humidity, high vibration/ shocks and high temperature variation should be avoided whenever possible.

NOTE

For detailed information about the handling, care and maintenance of the TC-300 camera system refer to the corresponding manuals of TRAKKA, latest revision.



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