



# Introduction

Both the Mark IV and VLBA VLBI terminals use now obsolete analog electronics for mixing up to 14 and 8 channels respectively down to baseband. A project was started a few years ago to develop digital converters/mixers for this task. Gino Tuccari of Noto Observatory designed and develops such a system. MPIfR (M. Wunderlich) designed the analog to digital converter boards. The first and second versions are ready now. A VSI to 10 GE converterboard will be ready in a few months.

The production of DBBC Version 2 (DBBC.2) is about to start. From January 2009 on DBBCs can be ordered from a spin-off company called HAT-Lab, founded by IRA-INAF and supported by MPIfR (1 technician working here 1/2 time).

## Documents connected to the dBBC project

*2nd Critical design review in Bologna on 23.4.2007*

Tuccari's description of the DBBC	<a href="#">Tuccari_DBBC_CDR.pdf</a>
Tuccari's more detailed answers to some questions	<a href="#">CDR_Tuccari_doc.pdf</a>
Gino Tuccari's replies to the committee's questions	<a href="#">CDR_Tuccari_answers.doc</a>
NRAO view presented by Jon Romney	<a href="#">Romney_NRAO.ppt</a>
Haystack development presented by Alan Whitney	<a href="#">Whitney_Haystack.ppt</a>